

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
 Data File : VN055043.D
 Acq On : 15 Apr 2019 14:39
 Operator : JC/SP
 Sample : VN0415MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

Quant Time: Apr 16 05:51:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 15 12:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	433313	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	698494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	603185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	235599	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	285487	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
35) Dibromofluoromethane	7.59	113	227454	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
50) Toluene-d8	10.09	98	837809	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
62) 4-Bromofluorobenzene	12.40	95	264418	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	96506	19.597	ug/l	100
3) Chloromethane	2.06	50	122462	19.067	ug/l	100
4) Vinyl Chloride	2.19	62	104407	19.340	ug/l	99
5) Bromomethane	2.55	94	59767	19.569	ug/l	99
6) Chloroethane	2.70	64	56851	19.528	ug/l	95
7) Trichlorofluoromethane	3.01	101	129433	19.171	ug/l	99
8) Diethyl Ether	3.41	74	41771	19.382	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	68540	19.398	ug/l	99
10) Methyl Iodide	3.94	142	124712	22.745	ug/l	94
11) Tert butyl alcohol	4.82	59	28871	91.446	ug/l	96
12) 1,1-Dichloroethene	3.73	96	64014	18.613	ug/l	98
13) Acrolein	3.60	56	34391	88.128	ug/l	99
14) Allyl chloride	4.31	41	165712	19.684	ug/l	99
15) Acrylonitrile	4.99	53	189764	100.461	ug/l	99
16) Acetone	3.82	43	154253	98.671	ug/l	99
17) Carbon Disulfide	4.04	76	203238	18.306	ug/l	97
18) Methyl Acetate	4.33	43	91197	19.978	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	246098	20.003	ug/l	94
20) Methylene Chloride	4.54	84	102239	18.604	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	89823	19.310	ug/l	96
22) Diisopropyl ether	5.96	45	345238	19.949	ug/l	98
23) Vinyl Acetate	5.90	43	1189251	103.965	ug/l	99
24) 1,1-Dichloroethane	5.85	63	182814	19.837	ug/l	98
25) 2-Butanone	6.85	43	243209	104.237	ug/l	100
26) 2,2-Dichloropropane	6.82	77	120591	20.732	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	105346	20.018	ug/l	98
28) Bromochloromethane	7.19	49	88107	19.833	ug/l	100
29) Tetrahydrofuran	7.22	42	157227	102.759	ug/l	99
30) Chloroform	7.37	83	174698	19.515	ug/l	100
31) Cyclohexane	7.65	56	169863	20.101	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	141519	19.954	ug/l	99
36) 1,1-Dichloropropene	7.79	75	125873	19.116	ug/l	100
37) Ethyl Acetate	6.94	43	97368	18.164	ug/l	97
38) Carbon Tetrachloride	7.77	117	116585	18.610	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	139840	19.598	ug/l	99
40) Benzene	8.04	78	386929	19.497	ug/l	99
41) Methacrylonitrile	7.17	41	57630	19.367	ug/l	96
42) 1,2-Dichloroethane	8.13	62	138286	20.070	ug/l	99
43) Isopropyl Acetate	8.17	43	168856	20.443	ug/l	99
44) Trichloroethene	8.83	130	97358	19.586	ug/l	97
45) 1,2-Dichloropropane	9.12	63	109107	19.714	ug/l	98
46) Dibromomethane	9.21	93	62726	19.912	ug/l	98
47) Bromodichloromethane	9.40	83	124076	19.104	ug/l	99
48) Methyl methacrylate	9.20	41	83348	20.358	ug/l	97
49) 1,4-Dioxane	9.21	88	13859	361.315	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	478591	100.291	ug/l	98
52) Toluene	10.16	92	232480	20.454	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	110250	19.424	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	142181	20.183	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	88816	20.282	ug/l	99
56) Ethyl methacrylate	10.43	69	107013	20.362	ug/l	99
57) 1,3-Dichloropropane	10.71	76	149650	20.072	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	198825	93.172	ug/l	98
59) 2-Hexanone	10.75	43	303136	101.137	ug/l	99
60) Dibromochloromethane	10.90	129	86120	20.140	ug/l	99
61) 1,2-Dibromoethane	11.00	107	81573	20.238	ug/l	99
64) Tetrachloroethene	10.63	164	93156	18.993	ug/l	97
65) Chlorobenzene	11.43	112	235444	19.391	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	87333	19.557	ug/l	99
67) Ethyl Benzene	11.51	91	423828	19.547	ug/l	100
68) m/p-Xylenes	11.62	106	315584	40.194	ug/l	98
69) o-Xylene	11.95	106	155300	20.422	ug/l	98
70) Styrene	11.96	104	246236	20.003	ug/l	99
71) Bromoform	12.13	173	50701	19.808	ug/l #	100
73) Isopropylbenzene	12.25	105	405843	19.412	ug/l	99
74) N-amyl acetate	12.07	43	116280	19.758	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	104975	18.765	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	118039	27.861	ug/l #	100
77) Bromobenzene	12.53	156	98012	18.805	ug/l	99
78) n-propylbenzene	12.59	91	441099	19.528	ug/l	100
79) 2-Chlorotoluene	12.67	91	272917	19.371	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	327902	19.435	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	21917	20.687	ug/l	96
82) 4-Chlorotoluene	12.77	91	256769	19.534	ug/l	98
83) tert-Butylbenzene	12.99	119	279192	19.595	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	321062	20.080	ug/l	100
85) sec-Butylbenzene	13.17	105	360940	19.880	ug/l	100
86) p-Isopropyltoluene	13.29	119	308322	19.794	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	155122	19.581	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	147952	19.584	ug/l	99
89) n-Butylbenzene	13.61	91	231538	20.024	ug/l	99
90) Hexachloroethane	13.88	117	46940	18.521	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	152748	19.163	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	12418	18.027	ug/l	88

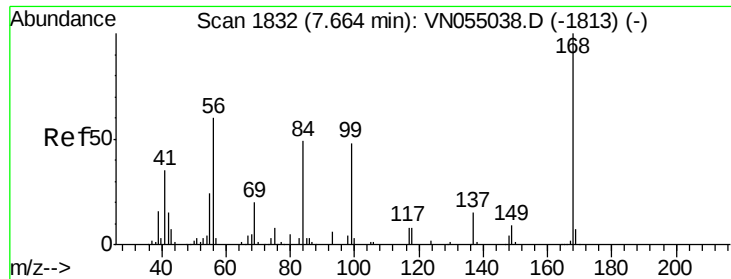
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041519\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	61795	18.864	ug/l	98
94) Hexachlorobutadiene	15.01	225	50418	20.479	ug/l	98
95) Naphthalene	15.13	128	131888	17.722	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	63409	20.621	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

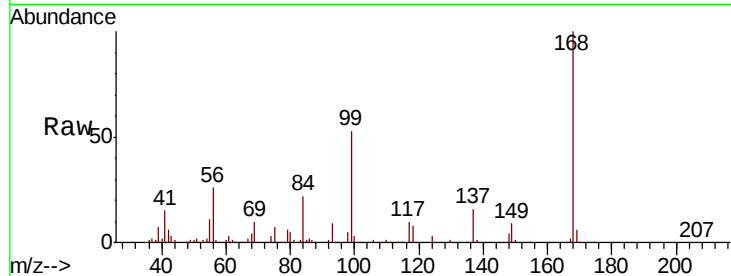
Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

Tot Ion:168 Resp: 433313

Ion Ratio Lower Upper

168 100

99 52.1 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

150000

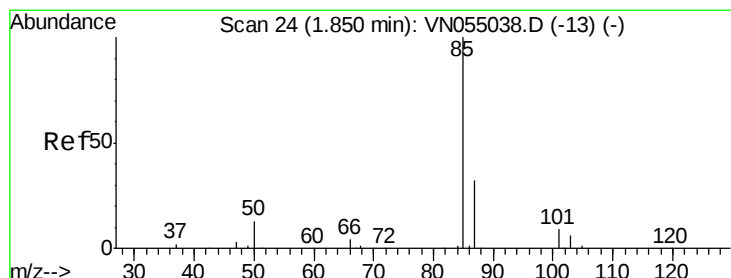
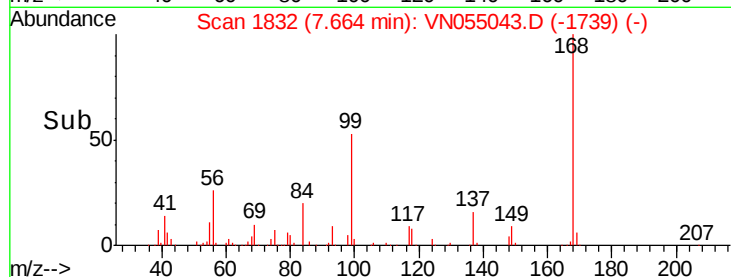
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 19.597 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055043.D

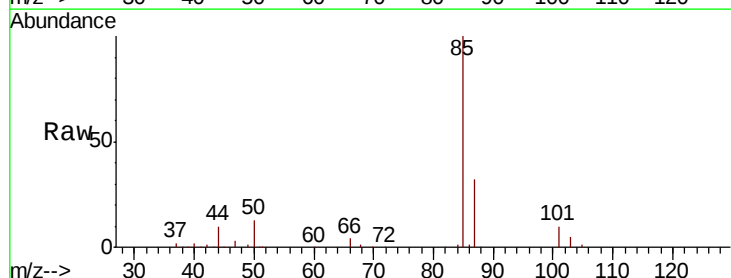
Acq: 15 Apr 2019 14:39

Tgt Ion: 85 Resp: 96506

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

80000

60000

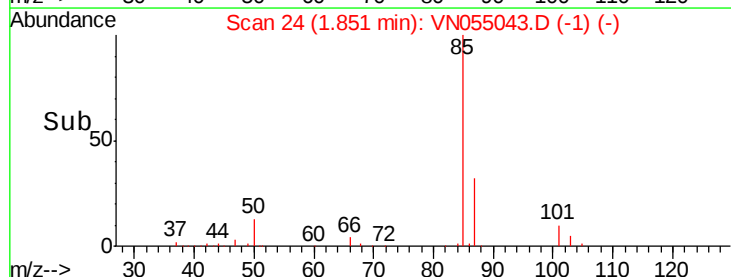
40000

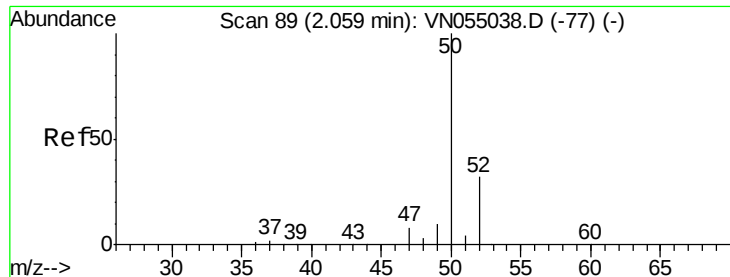
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 19.067 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

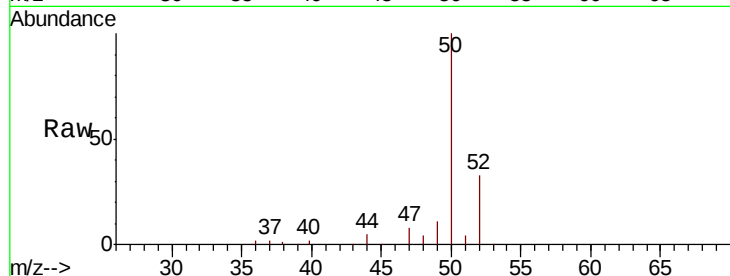
VN0415MBS01

Tot Ion: 50 Resp: 122462

Ion Ratio Lower Upper

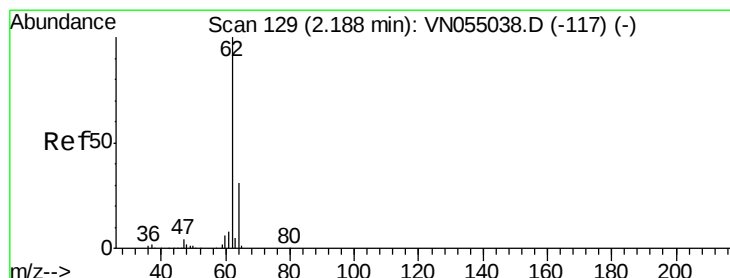
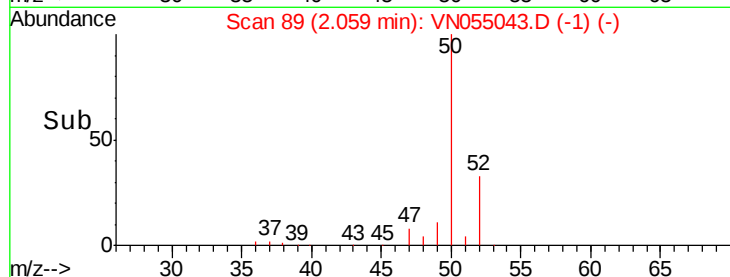
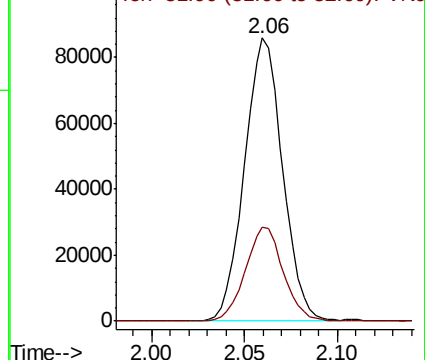
50 100

52 33.3 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.340 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055043.D

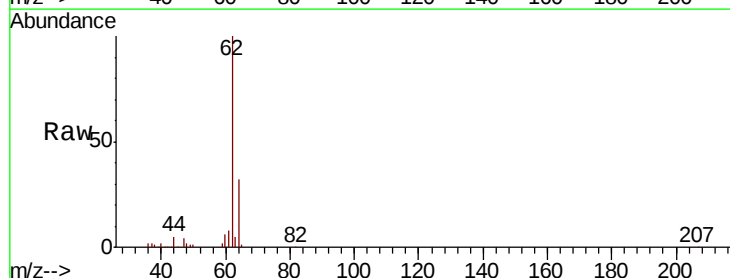
Acq: 15 Apr 2019 14:39

Tgt Ion: 62 Resp: 104407

Ion Ratio Lower Upper

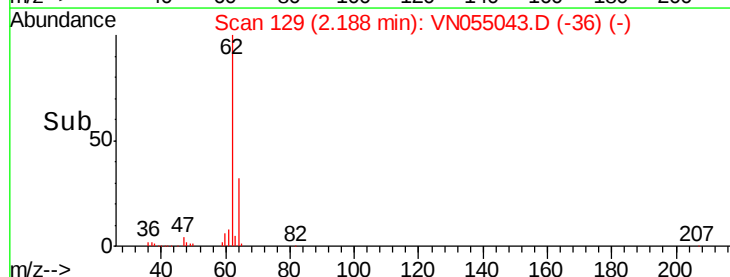
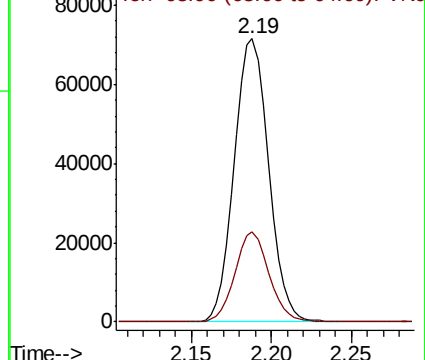
62 100

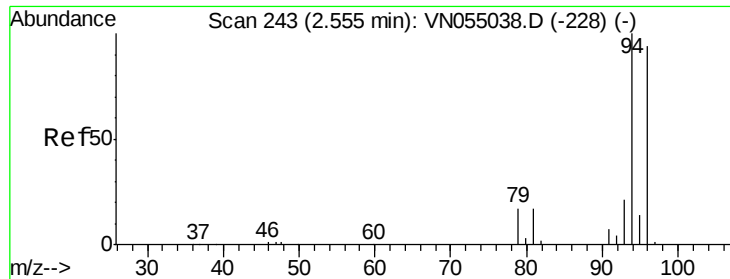
64 31.9 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 19.569 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

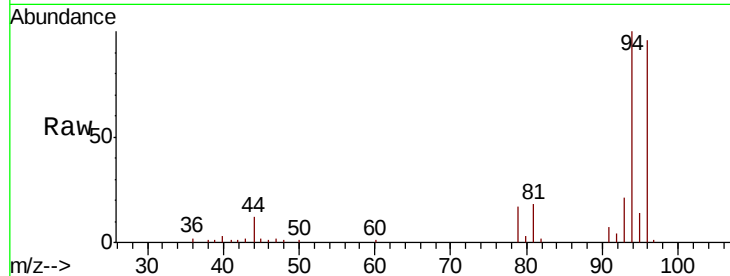
VN0415MBS01

Tot Ion: 94 Resp: 59767

Ion Ratio Lower Upper

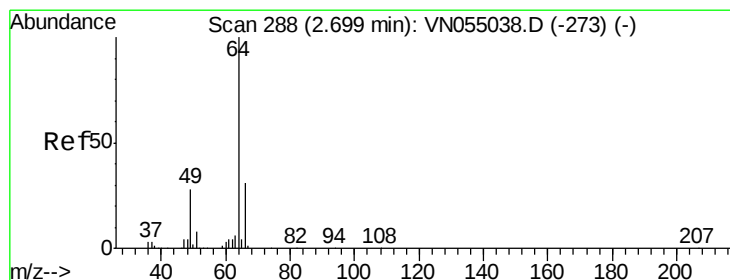
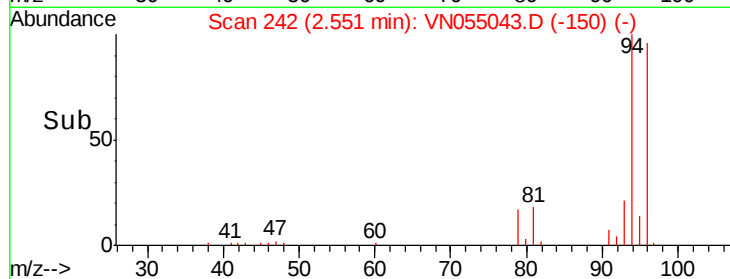
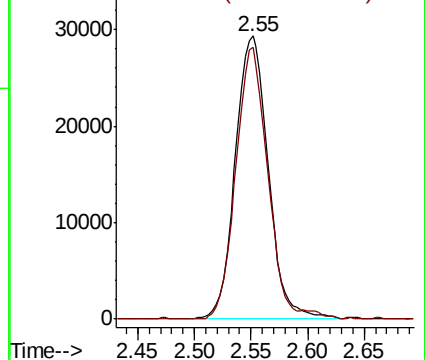
94 100

96 95.9 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.528 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN055043.D

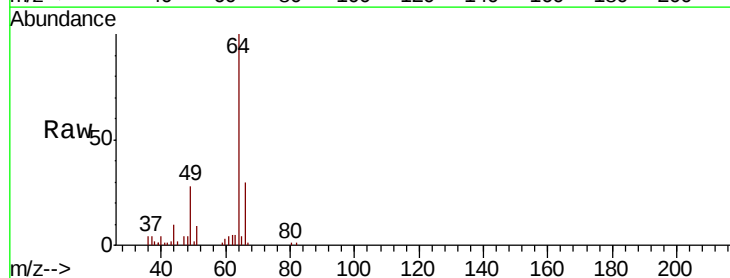
Acq: 15 Apr 2019 14:39

Tgt Ion: 64 Resp: 56851

Ion Ratio Lower Upper

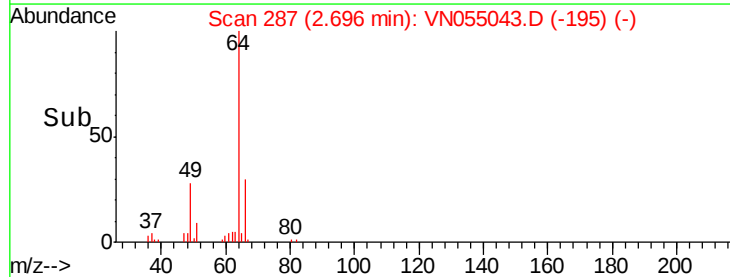
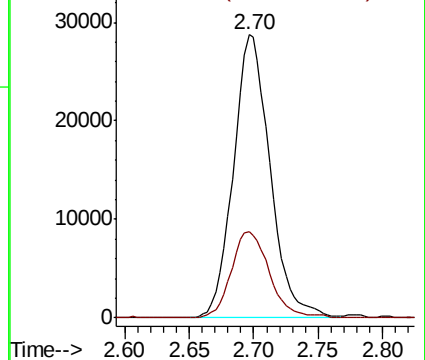
64 100

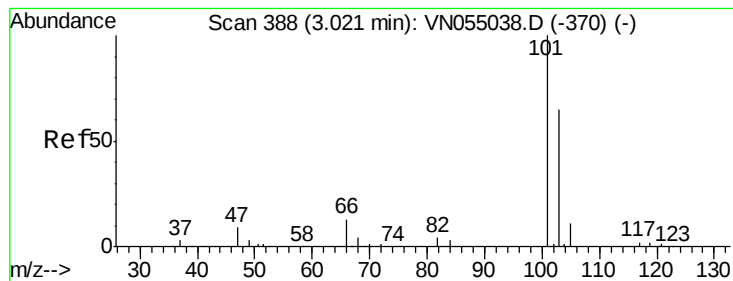
66 30.3 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



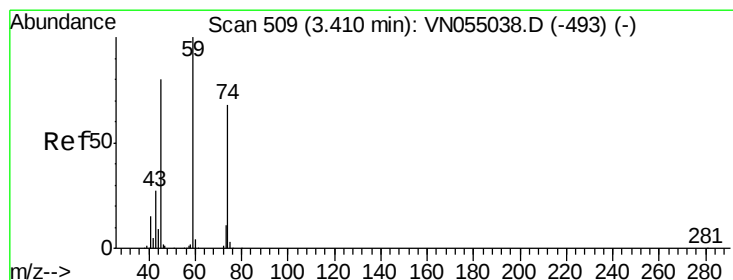
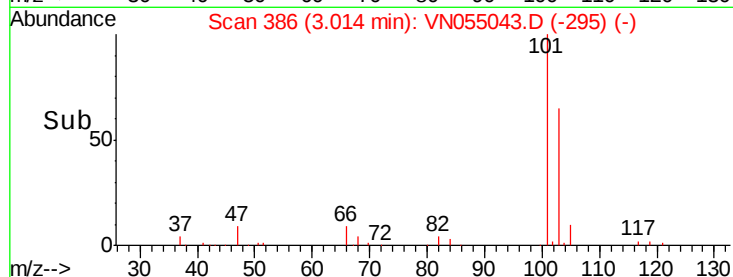
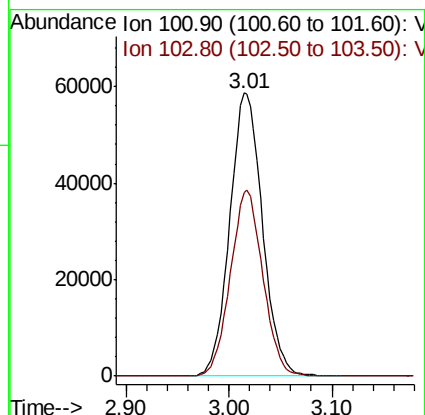
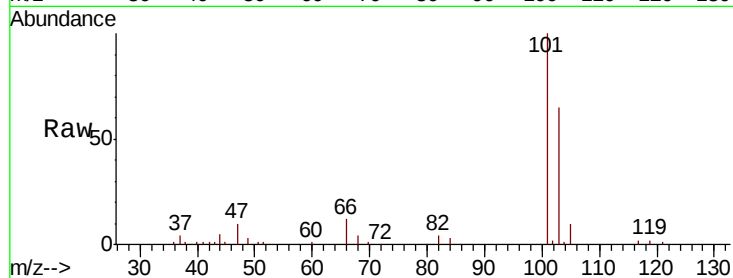


#7

Trichlorofluoromethane
 Concen: 19.171 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Instrument :
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 VN0415MBS01

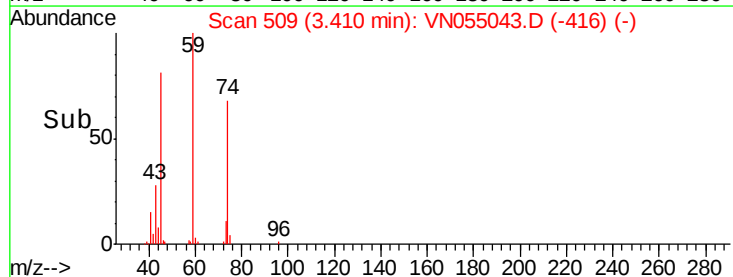
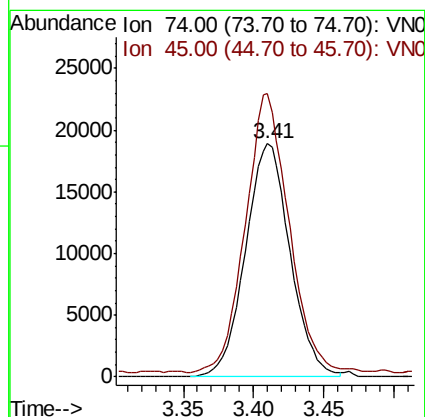
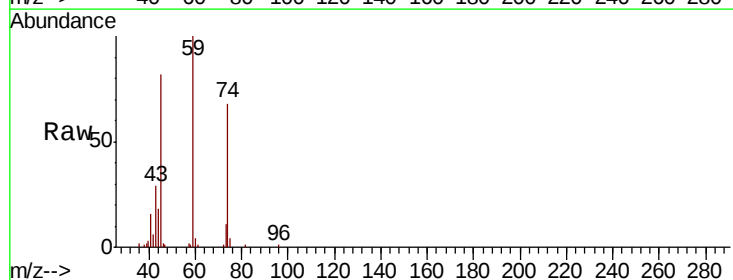
Tot Ion:101 Resp: 129433
 Ion Ratio Lower Upper
 101 100
 103 64.7 52.5 78.7

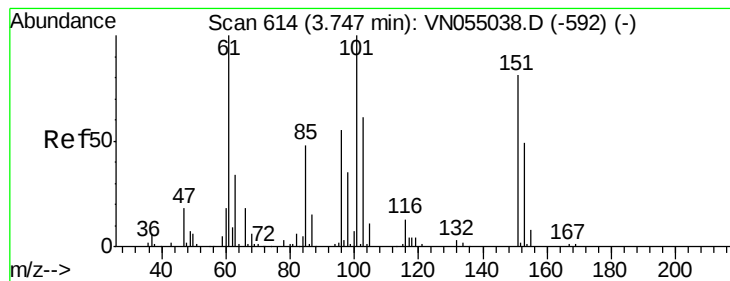


#8

Diethyl Ether
 Concen: 19.382 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion: 74 Resp: 41771
 Ion Ratio Lower Upper
 74 100
 45 116.3 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.398 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBS01

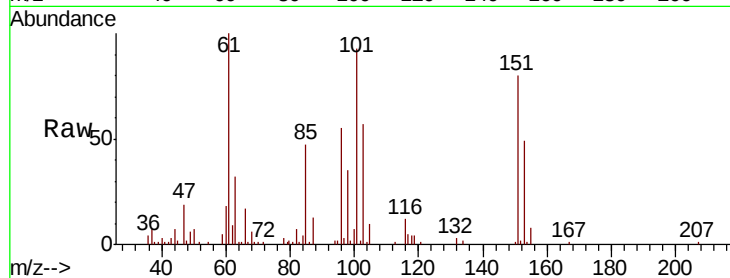
Tot Ion:101 Resp: 68540

Ion Ratio Lower Upper

101 100

85 46.9 36.9 55.3

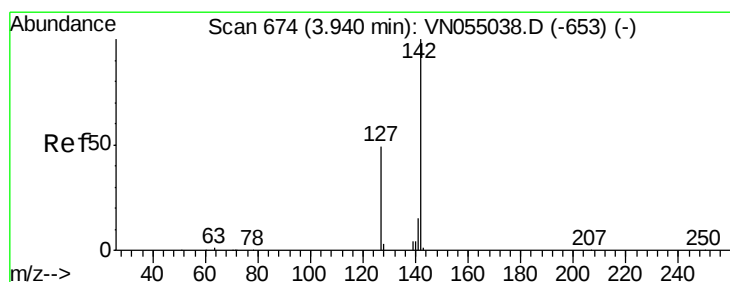
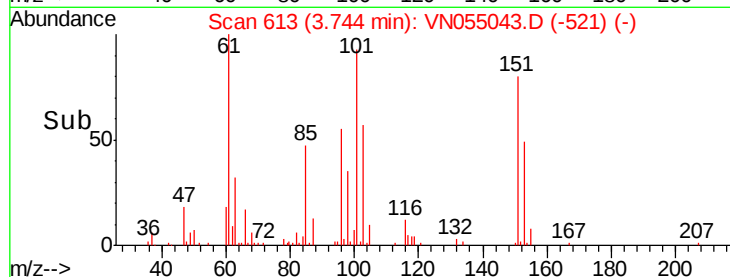
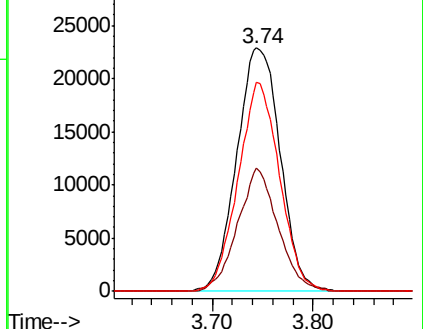
151 81.6 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.745 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

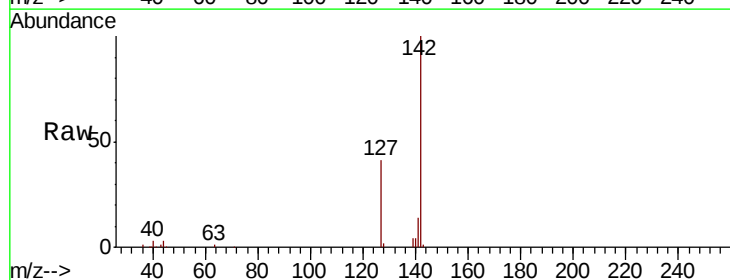
Tgt Ion:142 Resp: 124712

Ion Ratio Lower Upper

142 100

127 42.0 37.9 56.9

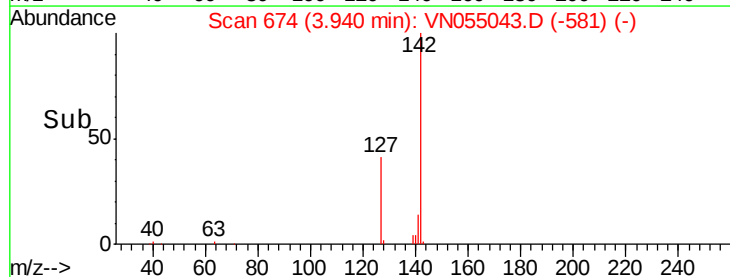
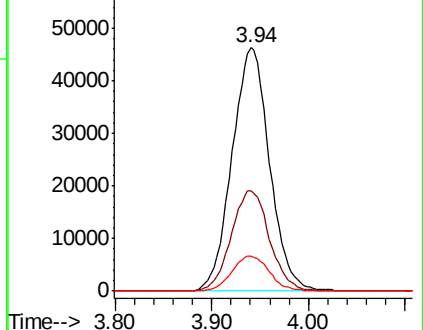
141 14.3 11.8 17.8

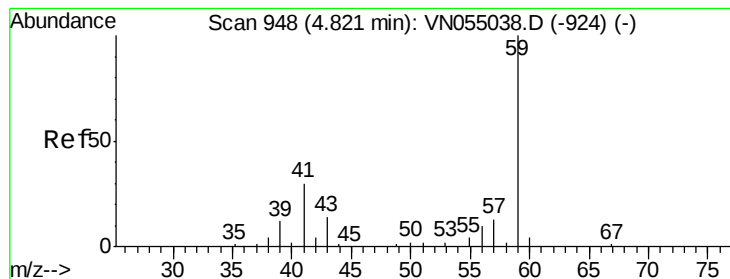


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 91.446 ug/l

RT: 4.82 min Scan# 948

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

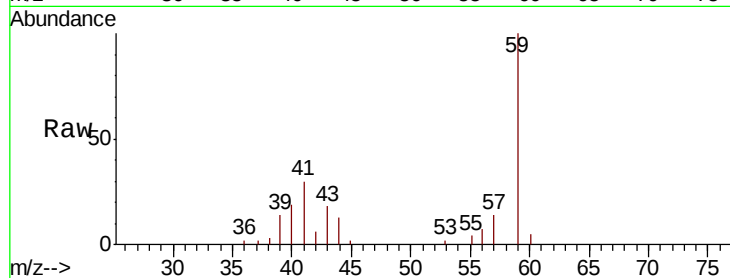
VN0415MBS01

Tot Ion: 59 Resp: 28871

Ion Ratio Lower Upper

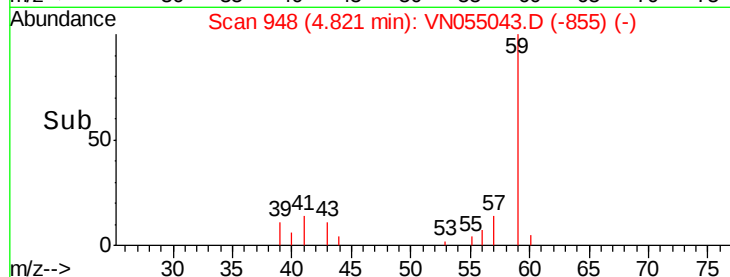
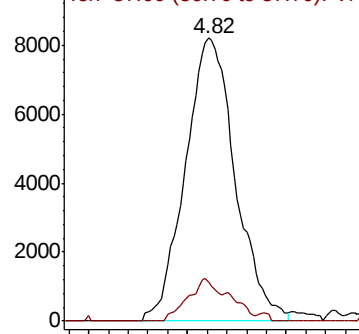
59 100

57 8.8 8.3 12.5

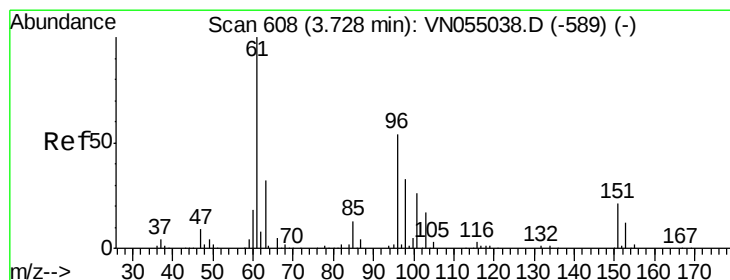


Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



Time-->



#12

1,1-Dichloroethene

Concen: 18.613 ug/l

RT: 3.73 min Scan# 607

Delta R.T. -0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

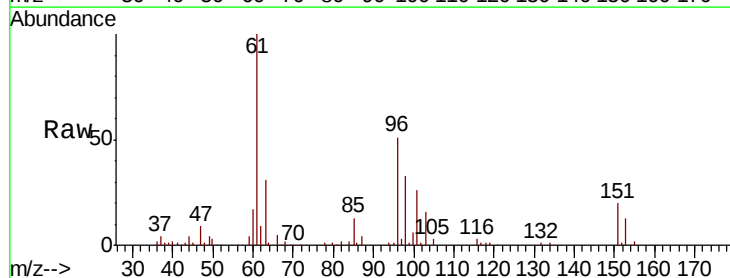
Tgt Ion: 96 Resp: 64014

Ion Ratio Lower Upper

96 100

61 196.5 154.2 231.4

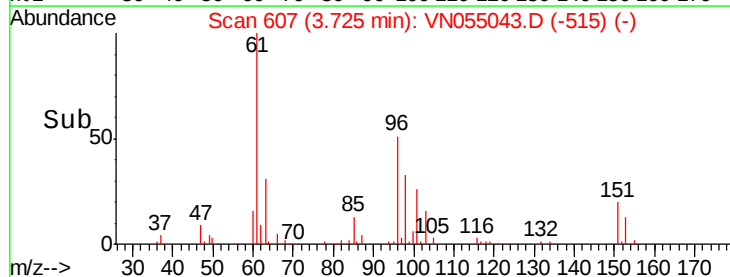
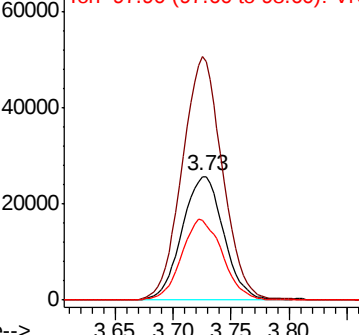
98 65.1 52.9 79.3



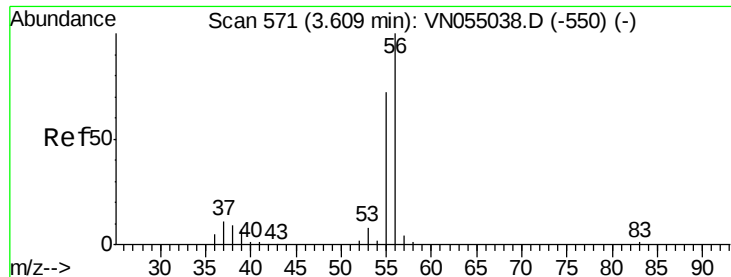
Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



Time-->



#13

Acrolein

Concen: 88.128 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

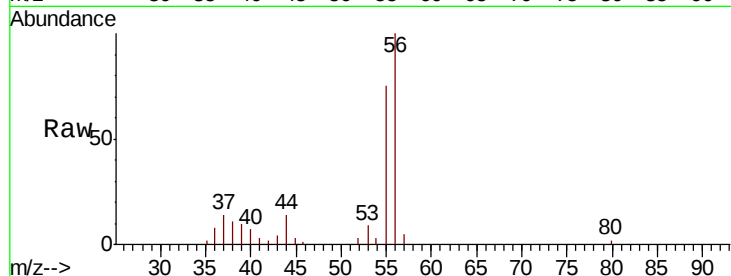
VN0415MBS01

Tot Ion: 56 Resp: 34391

Ion Ratio Lower Upper

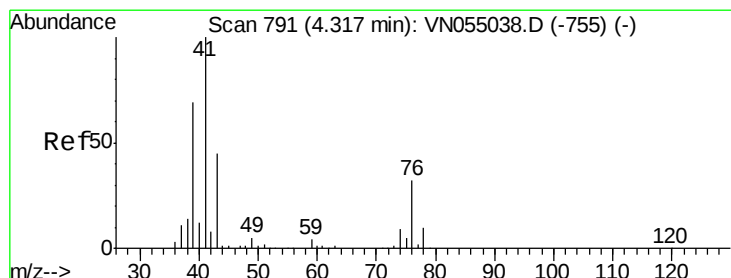
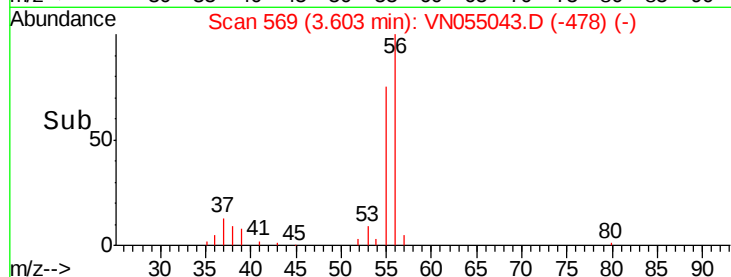
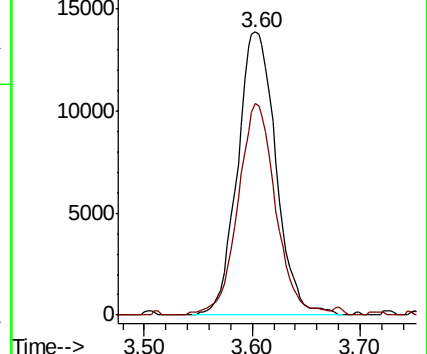
56 100

55 73.6 59.5 89.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.684 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

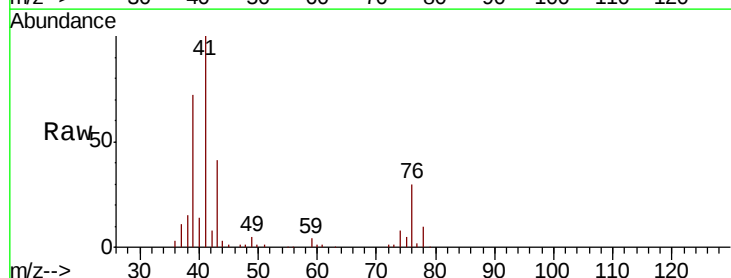
Tgt Ion: 41 Resp: 165712

Ion Ratio Lower Upper

41 100

39 66.4 52.7 79.1

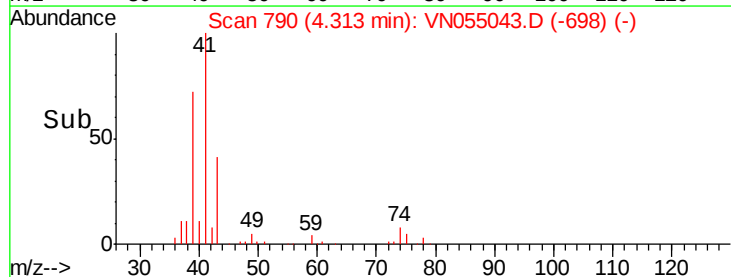
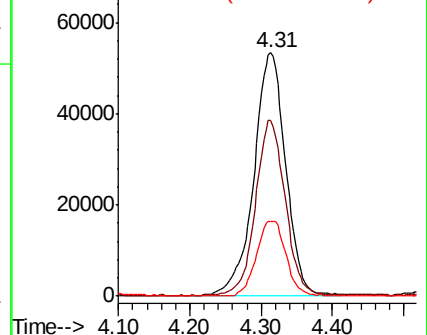
76 28.2 23.2 34.8

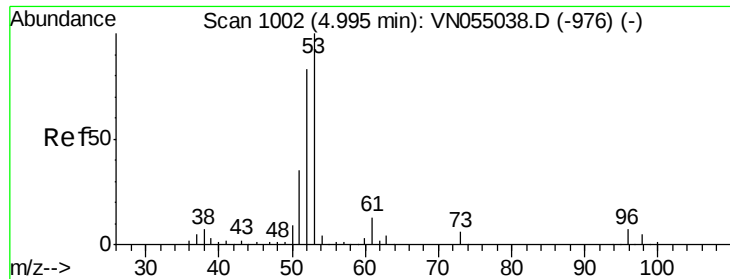


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 100.461 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBS01

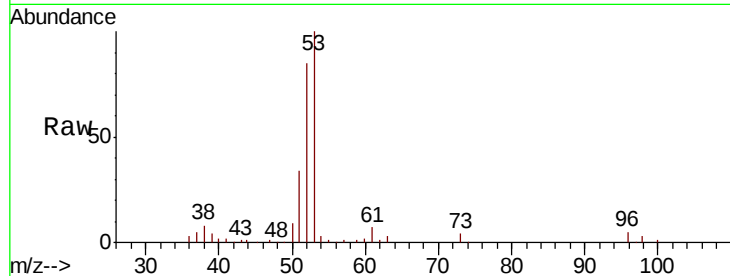
Tot Ion: 53 Resp: 189764

Ion Ratio Lower Upper

53 100

52 82.9 65.9 98.9

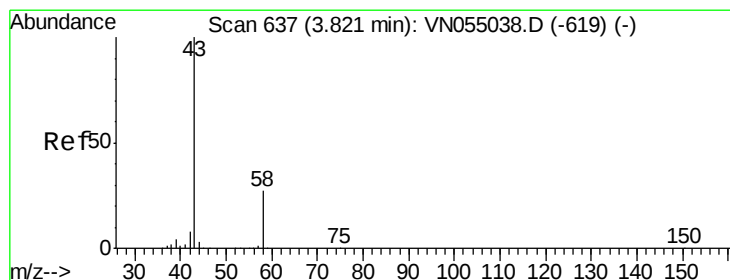
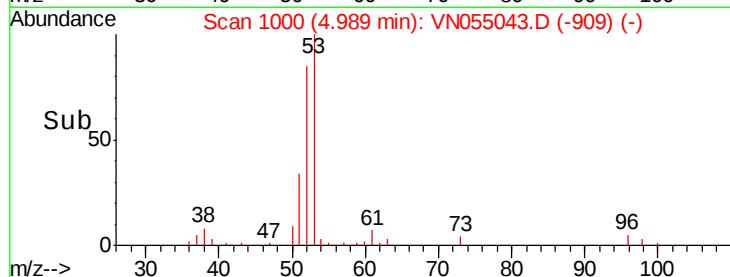
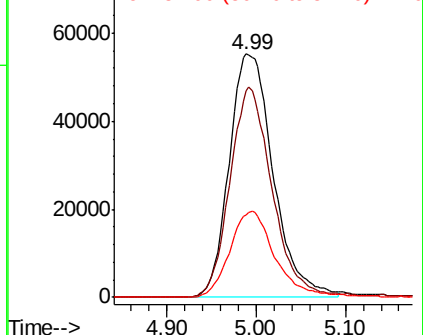
51 35.8 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 98.671 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055043.D

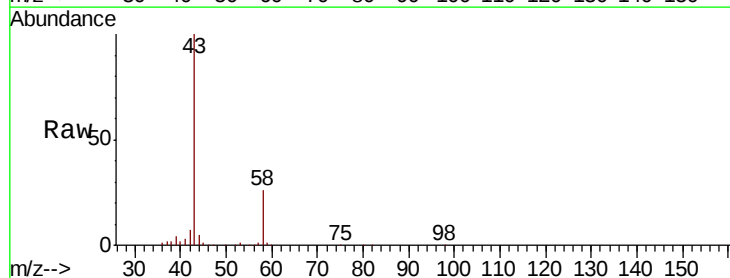
Acq: 15 Apr 2019 14:39

Tgt Ion: 43 Resp: 154253

Ion Ratio Lower Upper

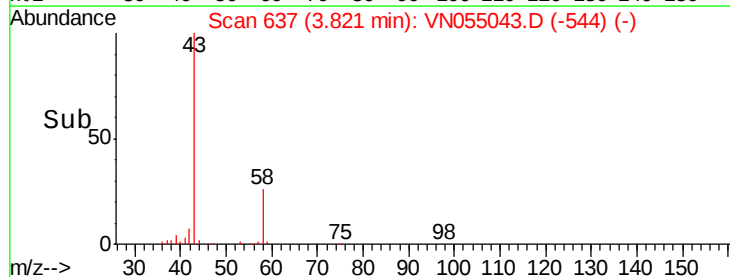
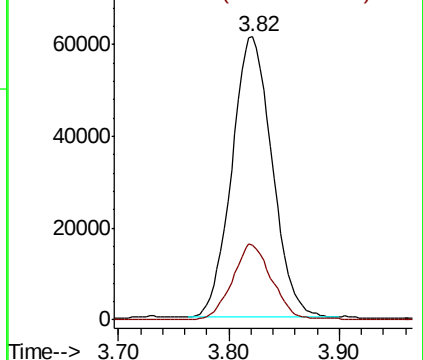
43 100

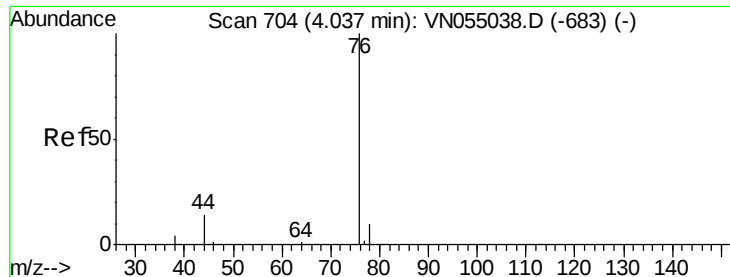
58 26.6 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 18.306 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

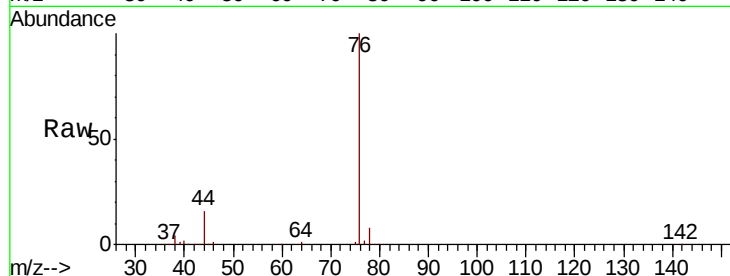
VN0415MBS01

Tot Ion: 76 Resp: 203238

Ion Ratio Lower Upper

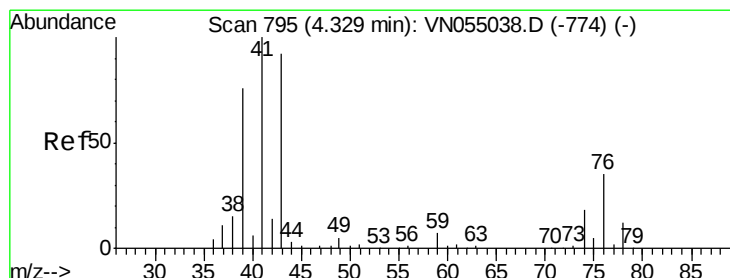
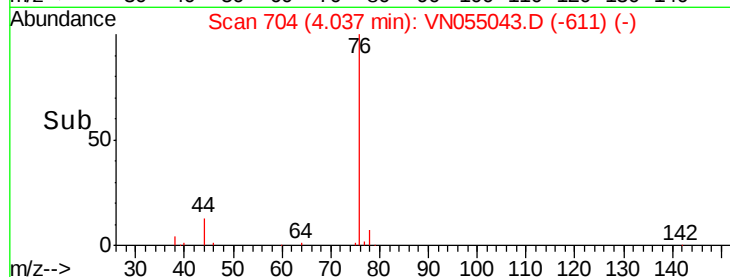
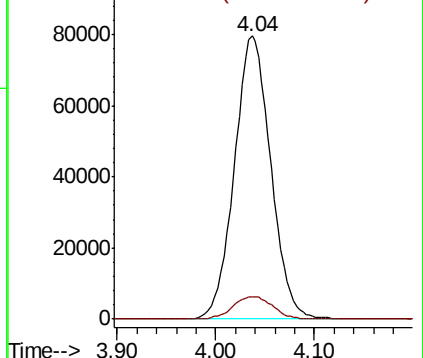
76 100

78 8.0 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 19.978 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055043.D

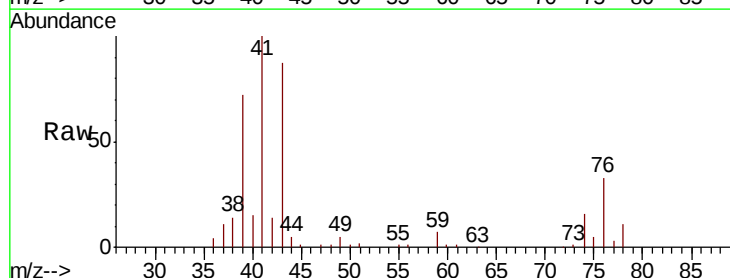
Acq: 15 Apr 2019 14:39

Tgt Ion: 43 Resp: 91197

Ion Ratio Lower Upper

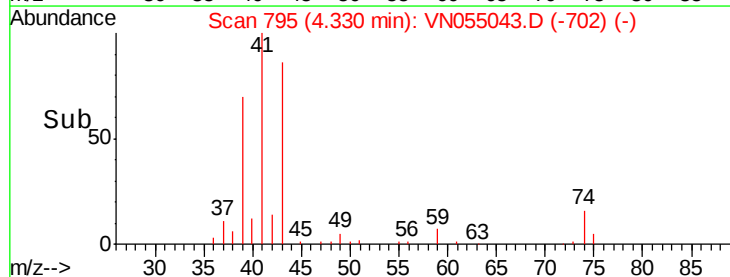
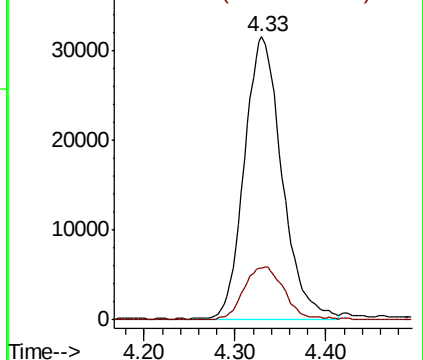
43 100

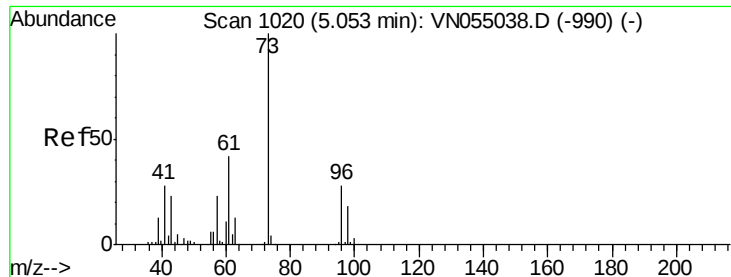
74 20.0 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



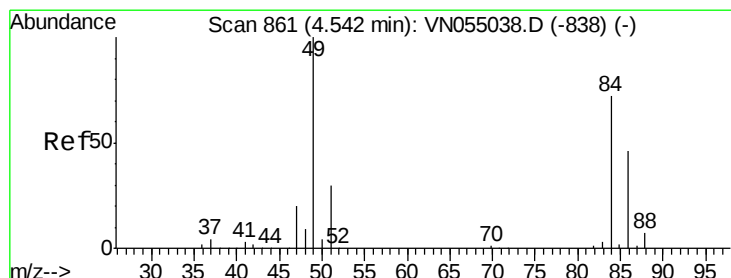
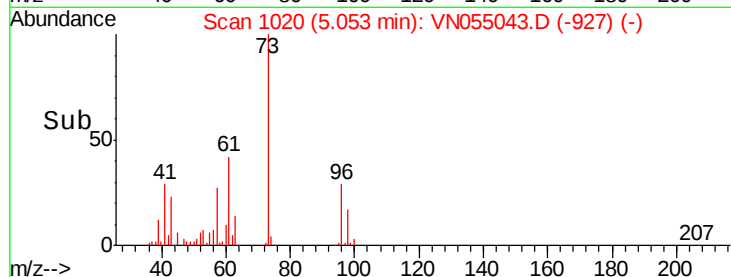
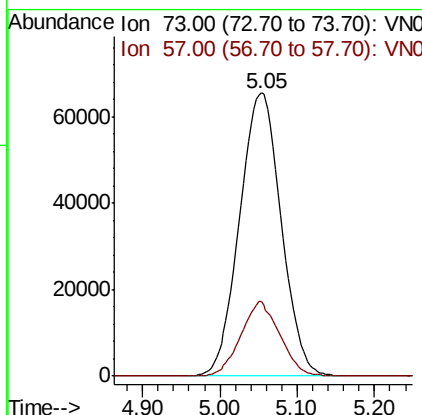
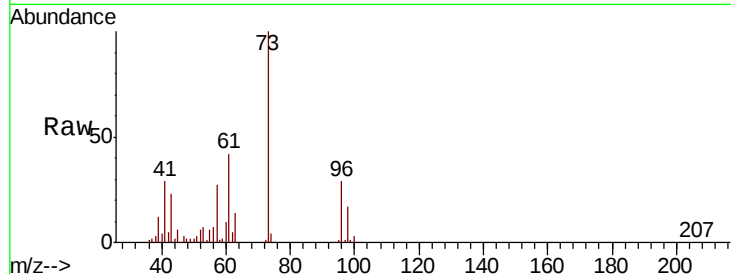


#19

Methyl tert-butyl Ether
 Concen: 20.003 ug/l
 RT: 5.05 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

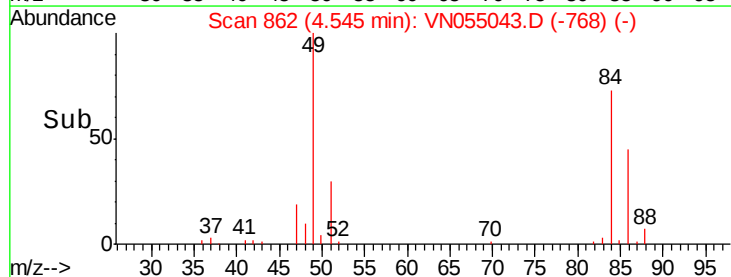
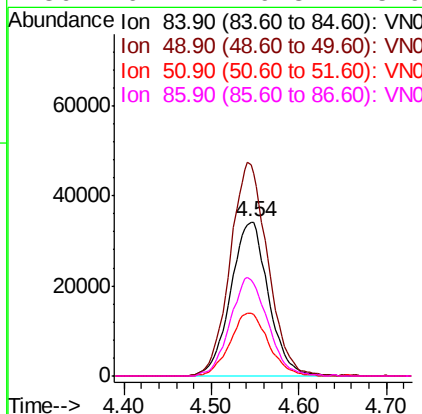
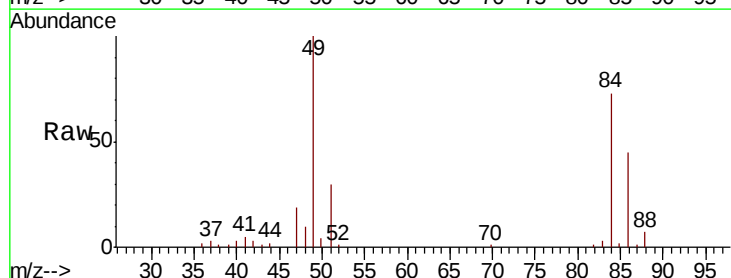
Tot Ion: 73 Resp: 246098
 Ion Ratio Lower Upper
 73 100
 57 26.5 19.0 28.4

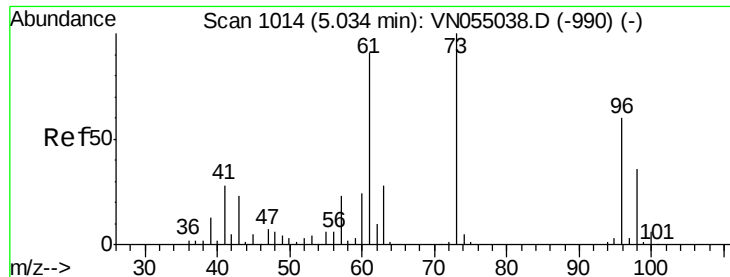


#20

Methylene Chloride
 Concen: 18.604 ug/l
 RT: 4.54 min Scan# 862
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion: 84 Resp: 102239
 Ion Ratio Lower Upper
 84 100
 49 137.6 109.4 164.2
 51 40.7 32.2 48.4
 86 62.4 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 19.310 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

VN0415MBS01

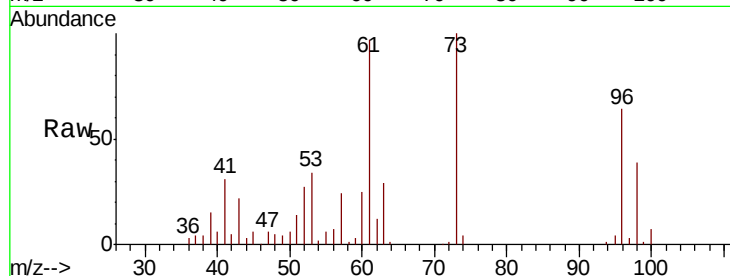
Tot Ion: 96 Resp: 89823

Ion Ratio Lower Upper

96 100

61 150.0 114.9 172.3

98 61.0 48.4 72.6

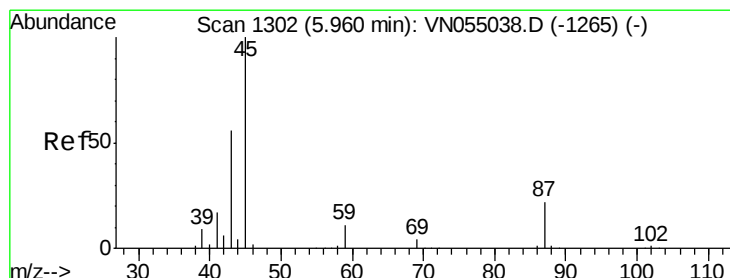
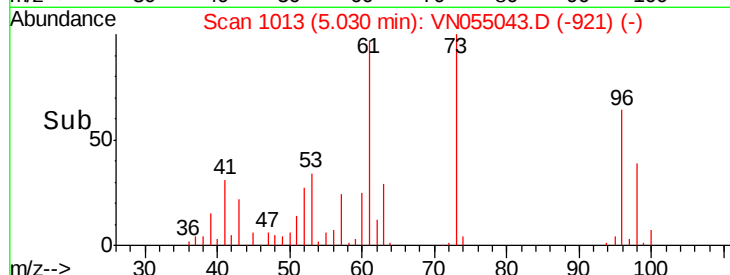
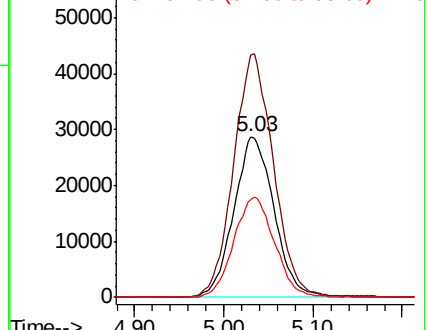


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 19.949 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Tgt Ion: 45 Resp: 345238

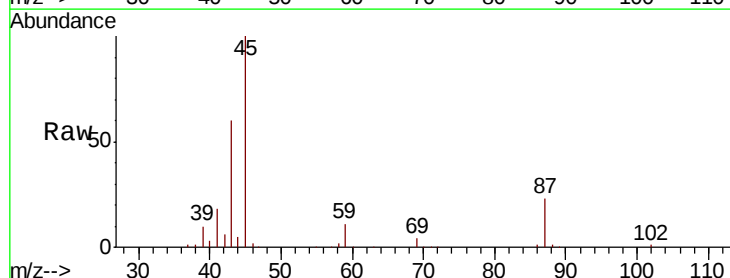
Ion Ratio Lower Upper

45 100

43 58.0 44.8 67.2

87 23.0 18.9 28.3

59 10.5 7.9 11.9



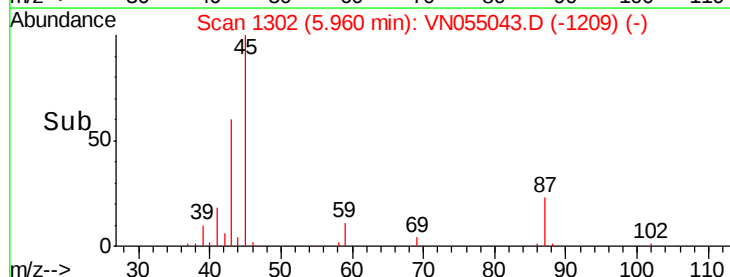
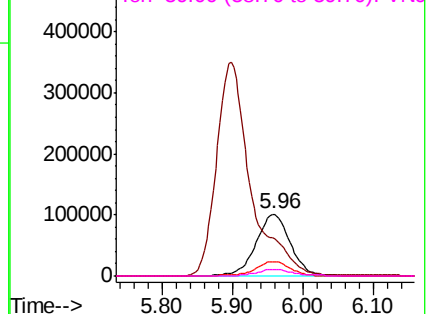
Abundance

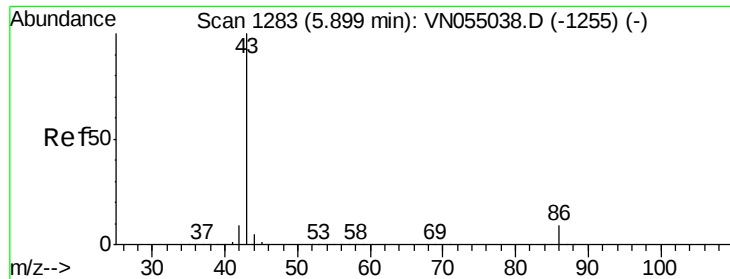
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

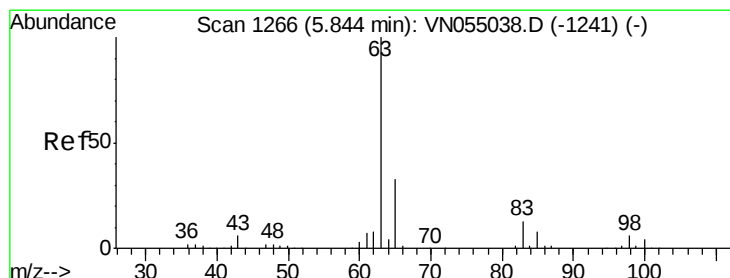
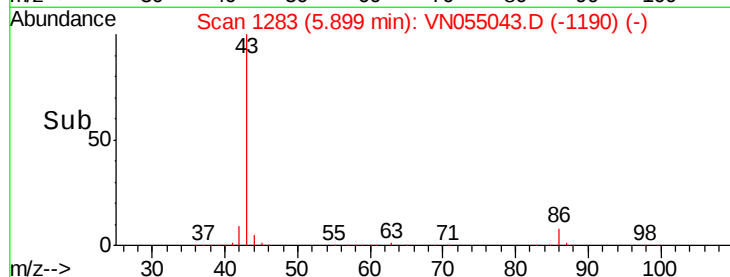
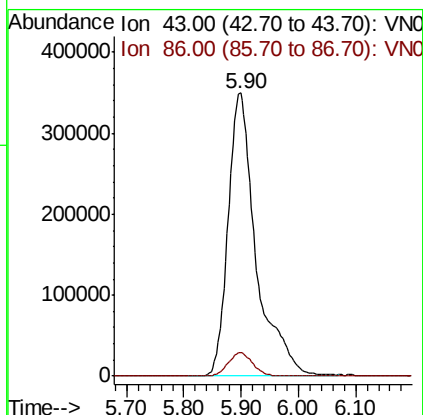
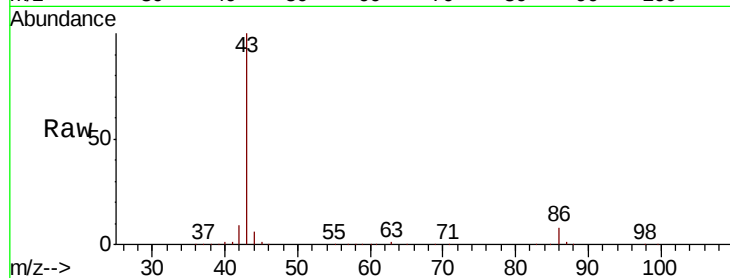




#23
 Vinyl Acetate
 Concen: 103.965 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

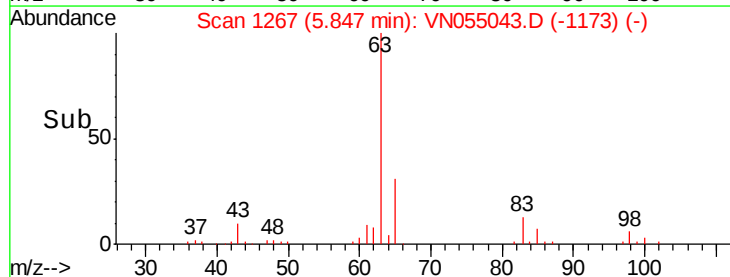
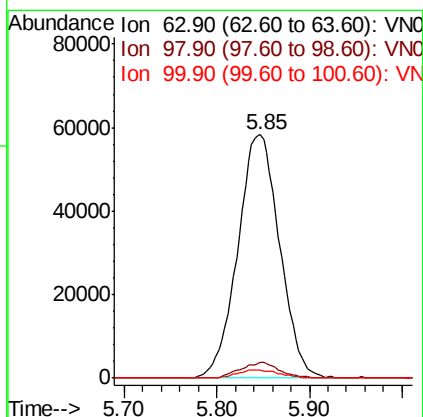
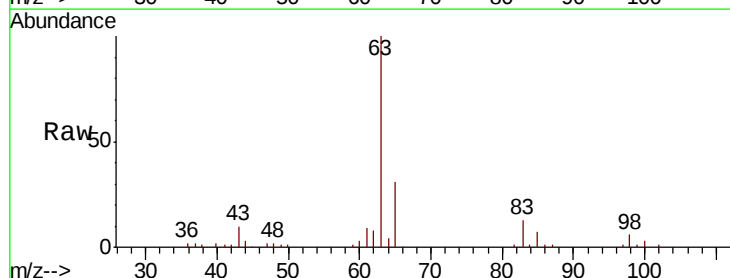
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

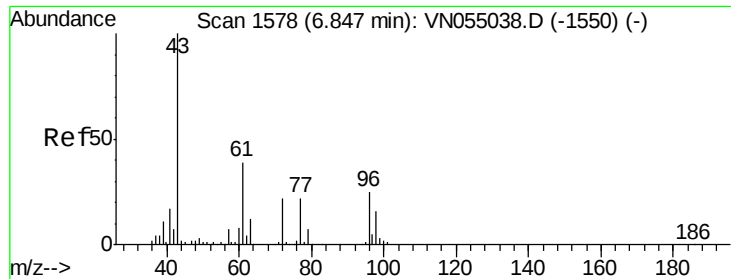
Tot Ion: 43 Resp: 1189251
 Ion Ratio Lower Upper
 43 100
 86 8.4 7.0 10.4



#24
 1,1-Dichloroethane
 Concen: 19.837 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion: 63 Resp: 182814
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.8 8.4
 100 3.2 2.0 5.8

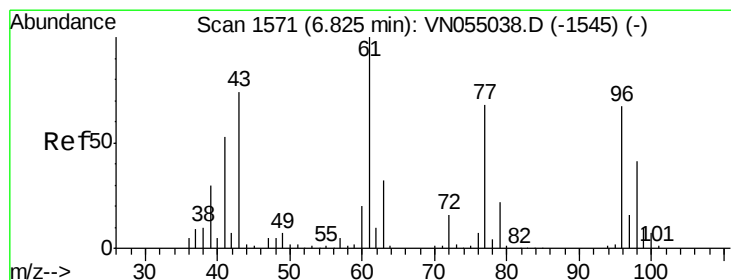
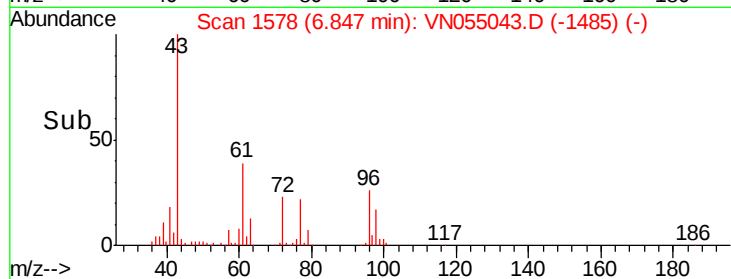
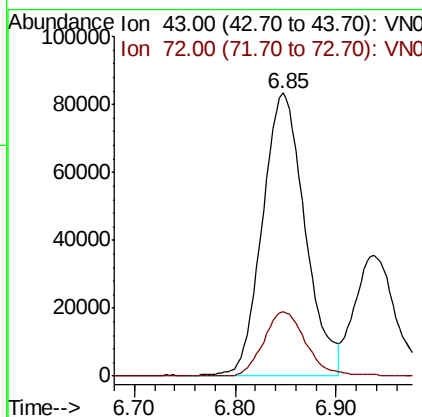
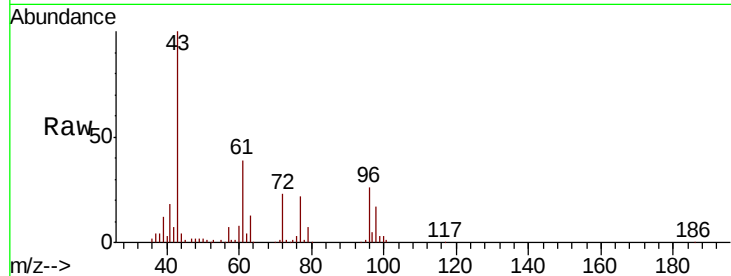




#25
2-Butanone
Concen: 104.237 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

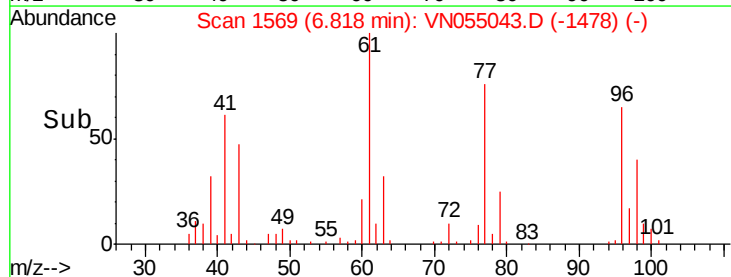
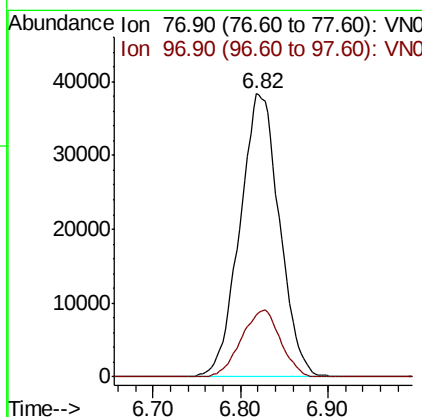
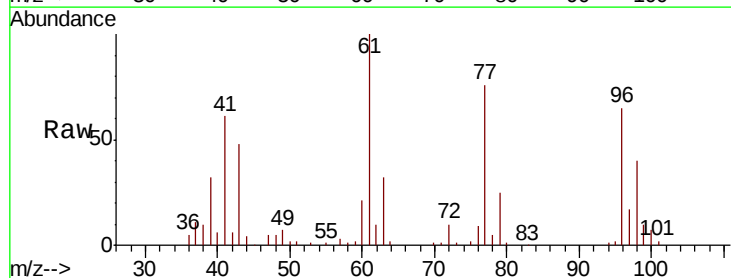
Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

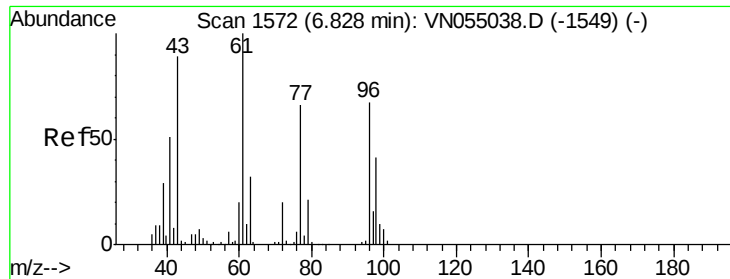
Tot Ion: 43 Resp: 243209
Ion Ratio Lower Upper
43 100
72 22.8 18.1 27.1



#26
2,2-Dichloropropane
Concen: 20.732 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion: 77 Resp: 120591
Ion Ratio Lower Upper
77 100
97 23.1 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 20.018 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBS01

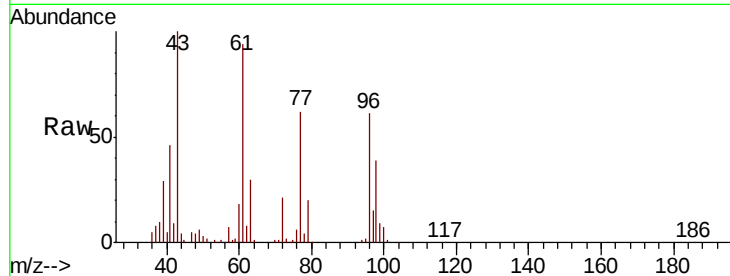
Tot Ion: 96 Resp: 105346

Ion Ratio Lower Upper

96 100

61 153.1 0.0 311.0

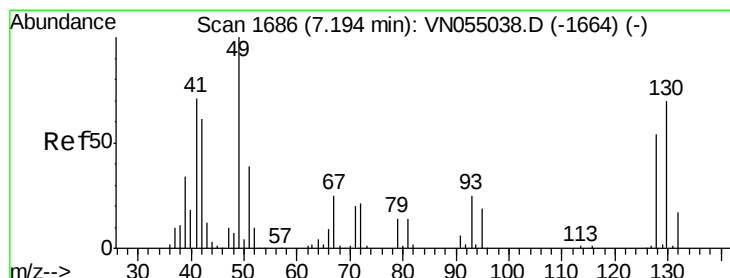
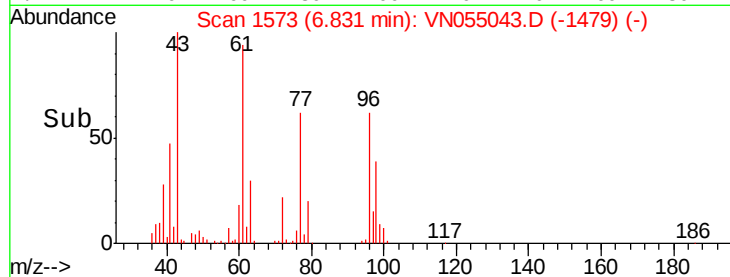
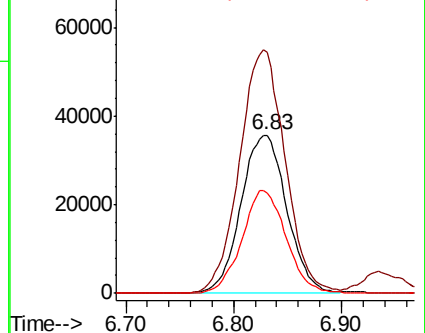
98 63.0 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.833 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

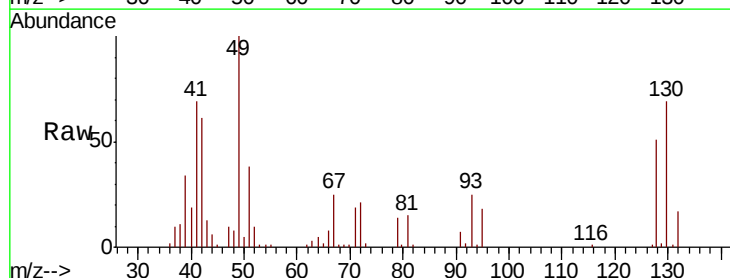
Tgt Ion: 49 Resp: 88107

Ion Ratio Lower Upper

49 100

129 1.7 0.0 2.0

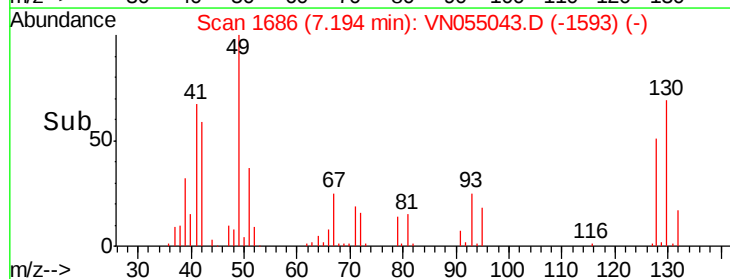
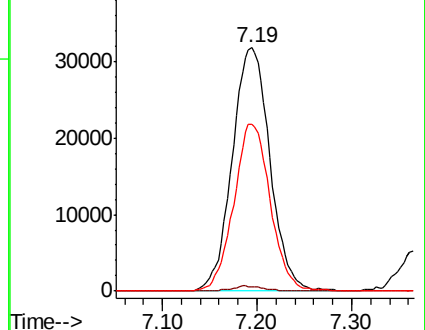
130 66.5 53.4 80.2

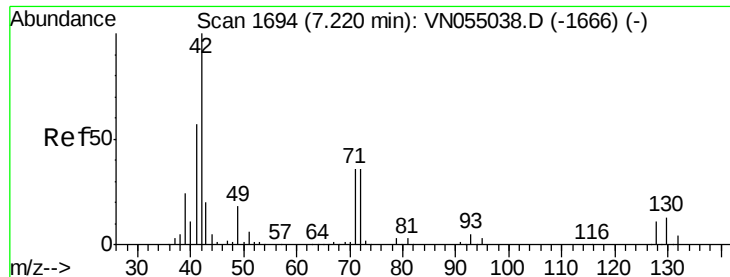


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

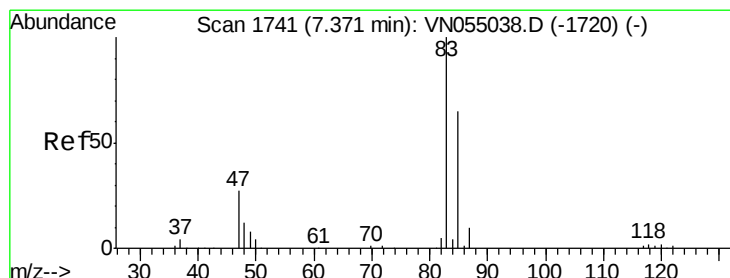
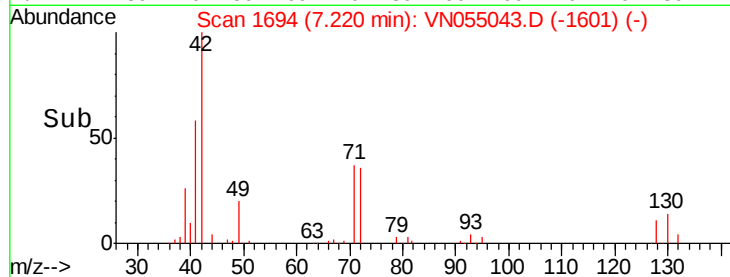
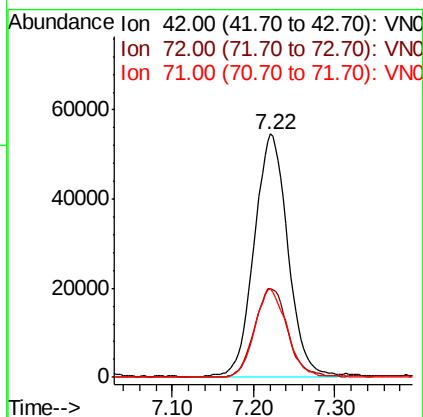
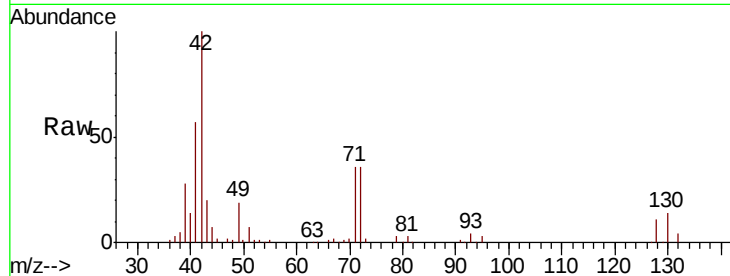




#29
Tetrahydrofuran
Concen: 102.759 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

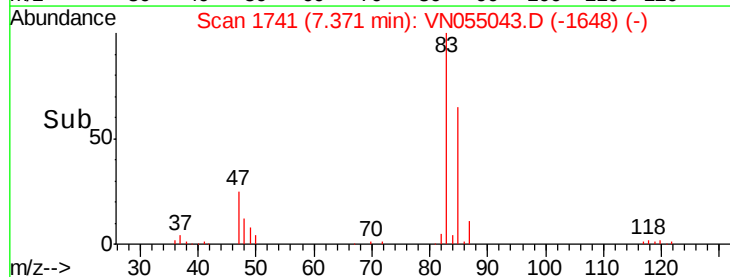
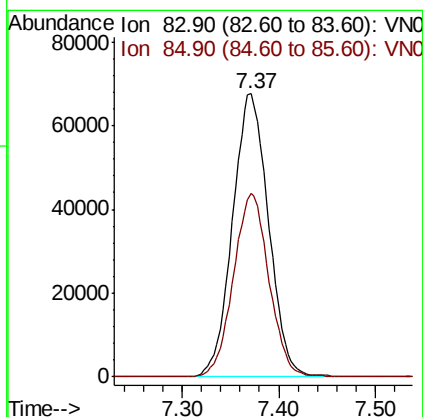
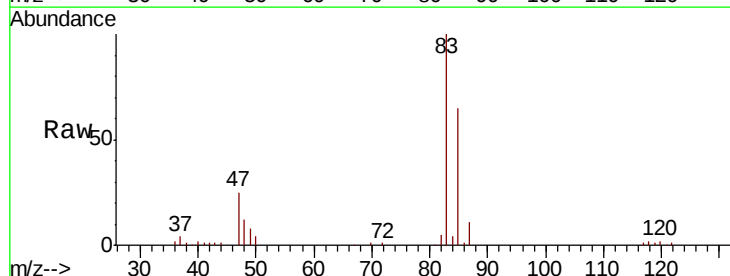
Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

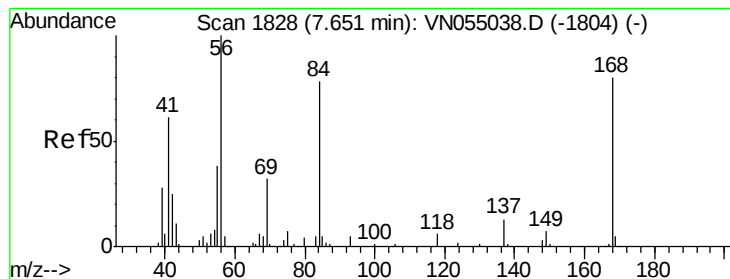
Tot Ion: 42 Resp: 157227
Ion Ratio Lower Upper
42 100
72 36.0 29.4 44.0
71 34.4 27.8 41.6



#30
Chloroform
Concen: 19.515 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion: 83 Resp: 174698
Ion Ratio Lower Upper
83 100
85 64.8 51.8 77.6





#31

Cyclohexane

Concen: 20.101 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

VN0415MBS01

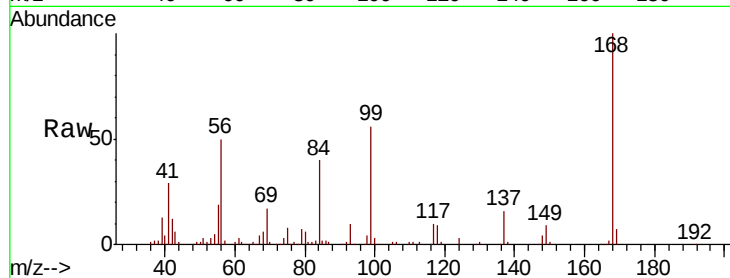
Tot Ion: 56 Resp: 169863

Ion Ratio Lower Upper

56 100

69 33.0 24.5 36.7

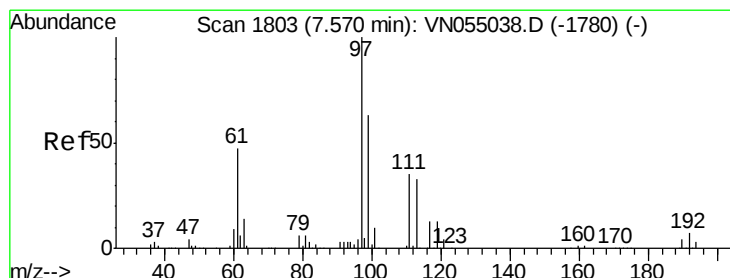
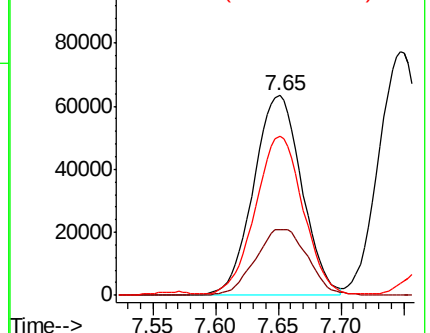
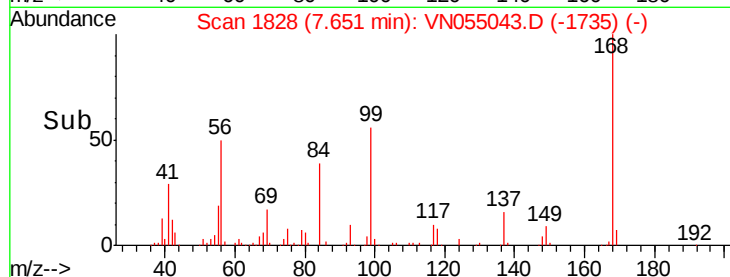
84 78.7 62.9 94.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.954 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

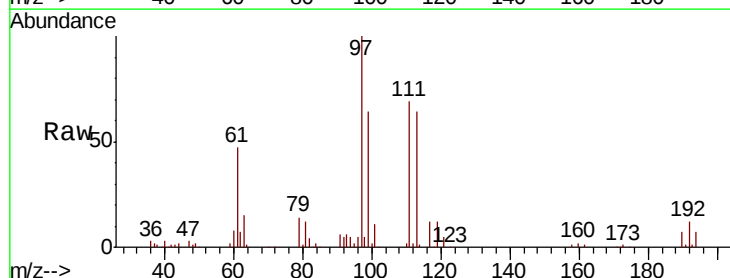
Tgt Ion: 97 Resp: 141519

Ion Ratio Lower Upper

97 100

99 63.6 51.6 77.4

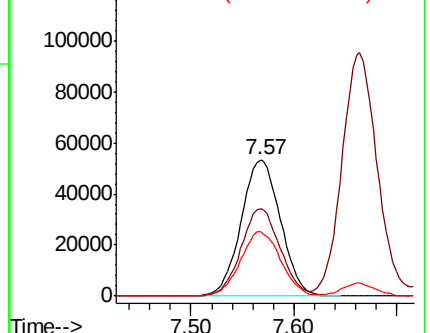
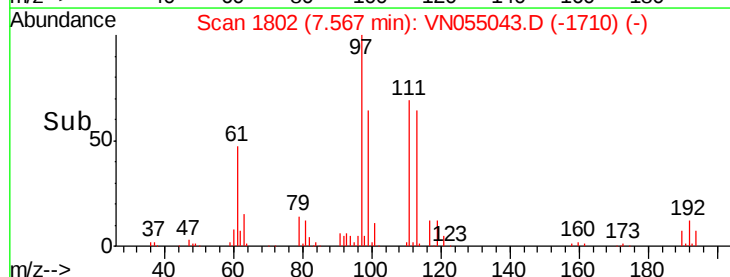
61 48.1 38.3 57.5

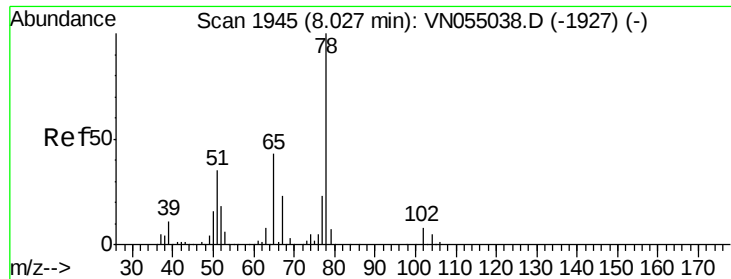


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

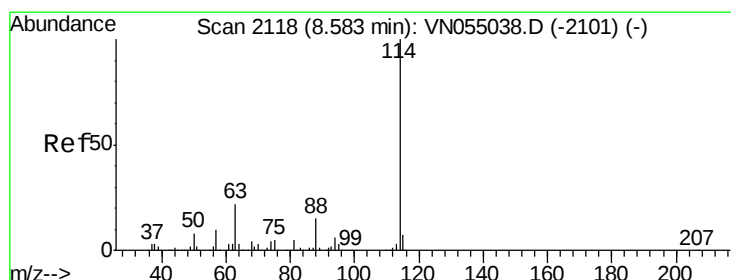
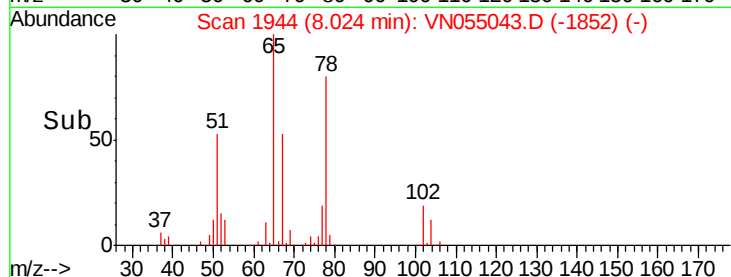
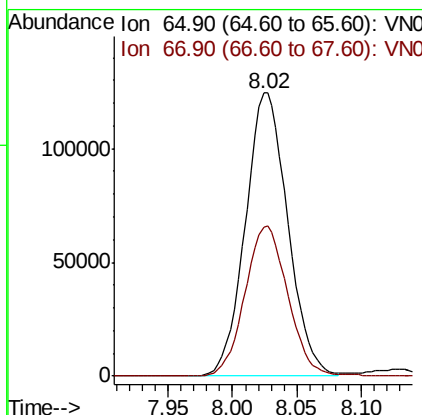
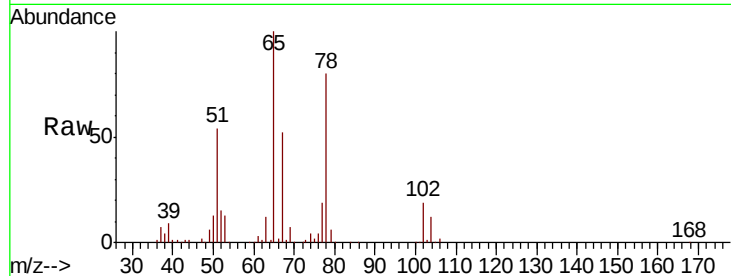




#33
 1,2-Dichloroethane-d4
 Concen: 49.565 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

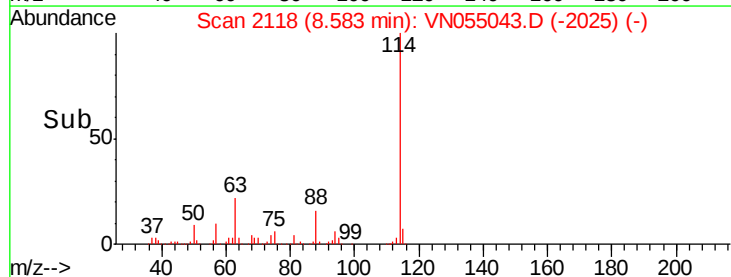
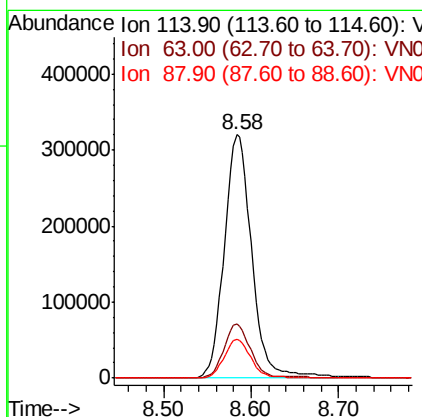
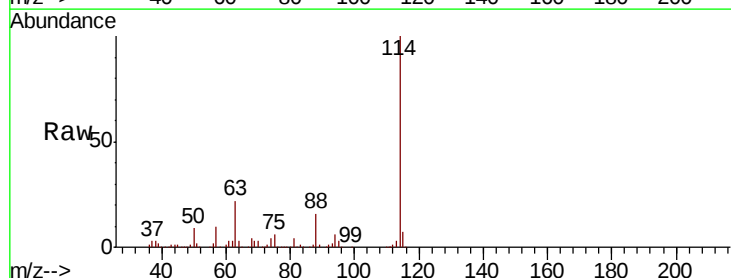
Instrument :
 MSVOA_N
 ClientSampled :
 VN0415MBS01

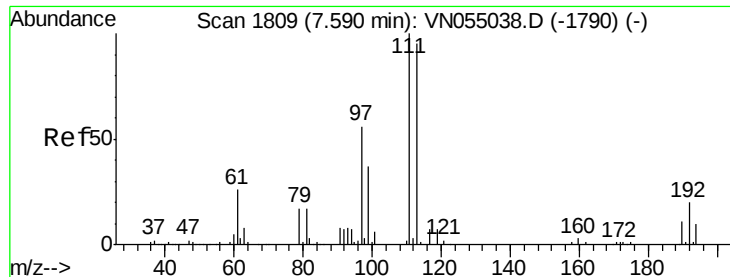
Tot Ion: 65 Resp: 285487
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion: 114 Resp: 698494
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 45.2
 88 15.9 0.0 31.8

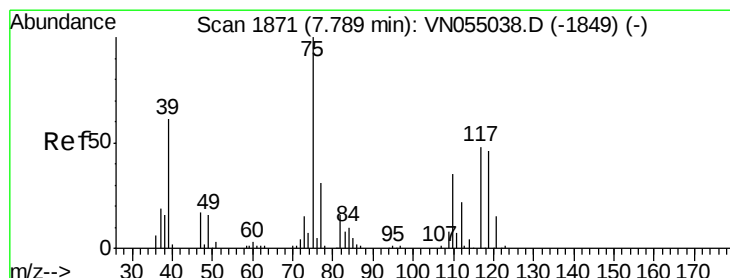
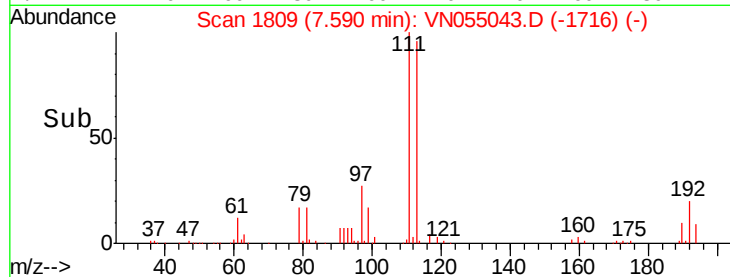
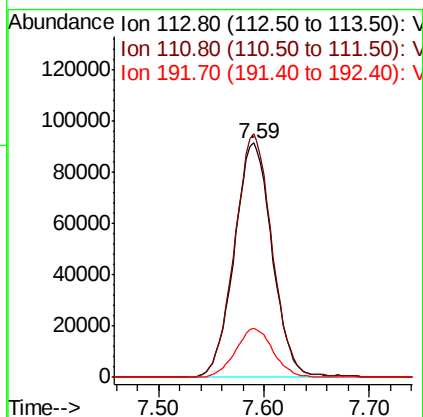
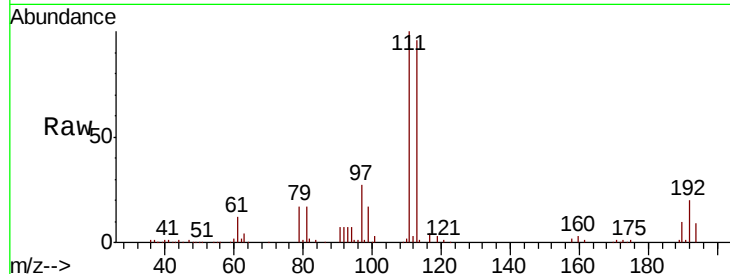




#35
 Dibromofluoromethane
 Concen: 48.725 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

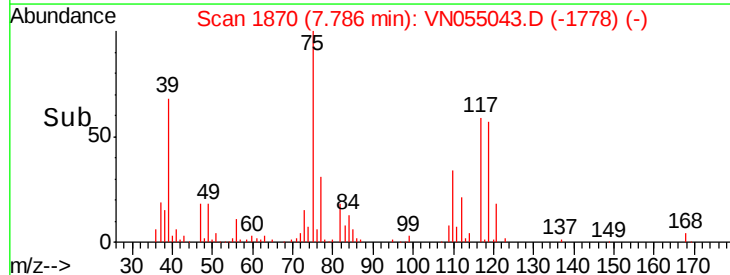
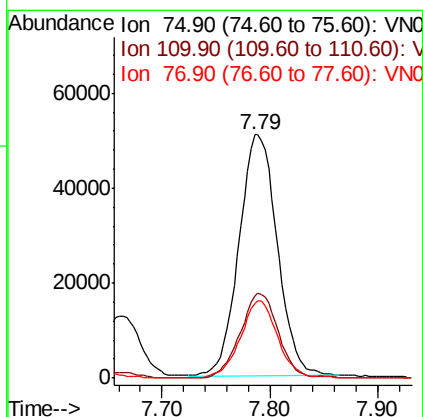
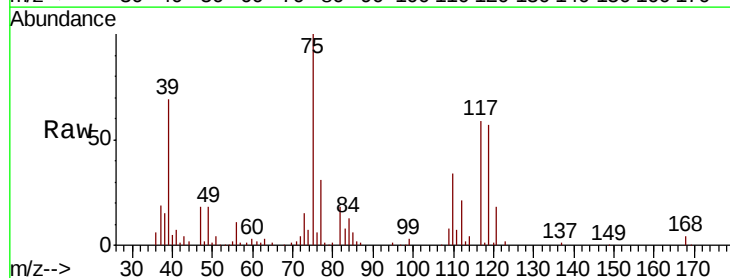
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

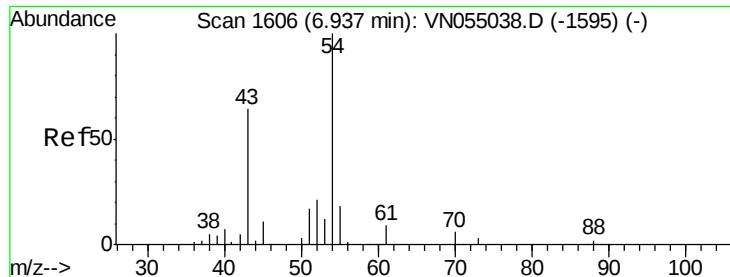
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.1	123.1
192	20.9	16.5	24.7



#36
 1,1-Dichloropropene
 Concen: 19.116 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.5	52.5
77	30.9	24.9	37.3

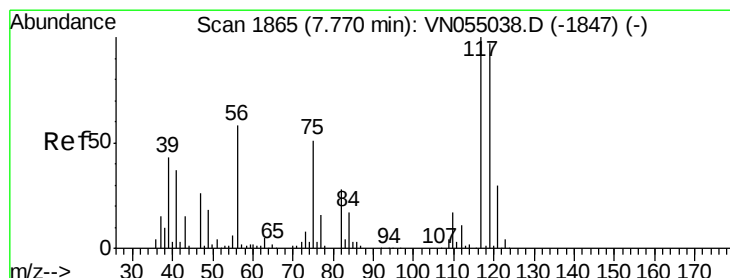
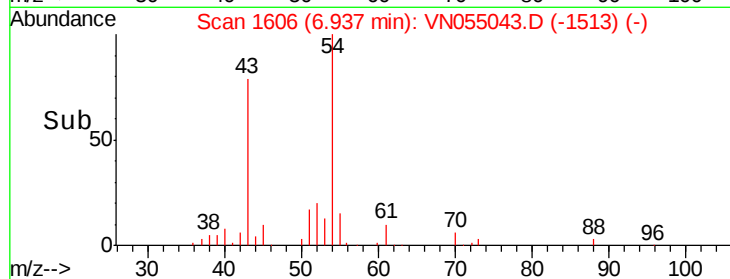
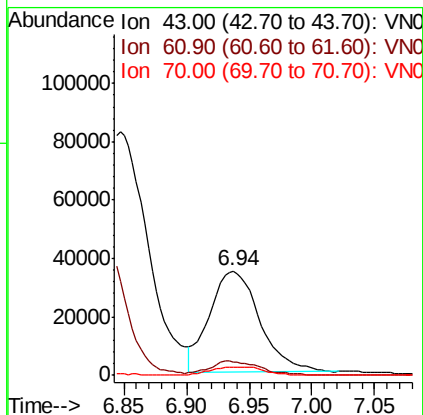
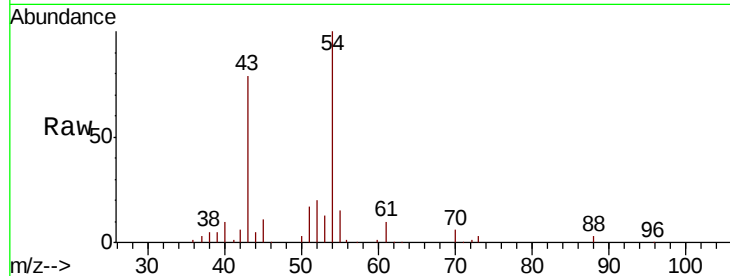




#37
Ethyl Acetate
Concen: 18.164 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

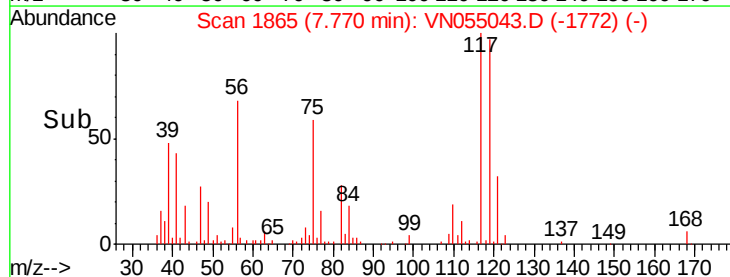
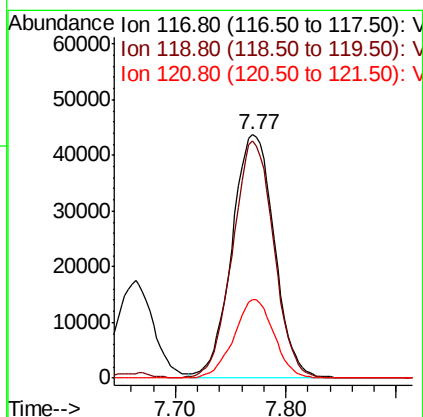
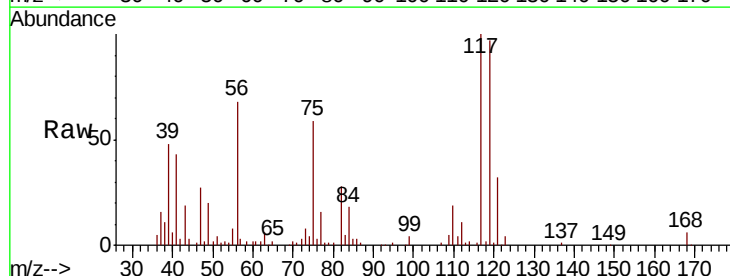
Instrument :
MSVOA_N
ClientSampled :
VN0415MBS01

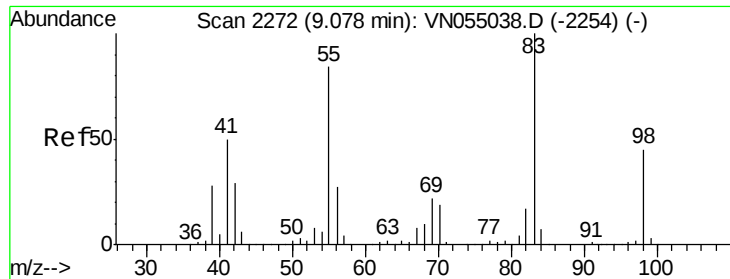
Tot Ion: 43 Resp: 97368
Ion Ratio Lower Upper
43 100
61 14.4 10.0 15.0
70 9.0 7.1 10.7



#38
Carbon Tetrachloride
Concen: 18.610 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion: 117 Resp: 116585
Ion Ratio Lower Upper
117 100
119 97.5 76.3 114.5
121 32.2 23.9 35.9

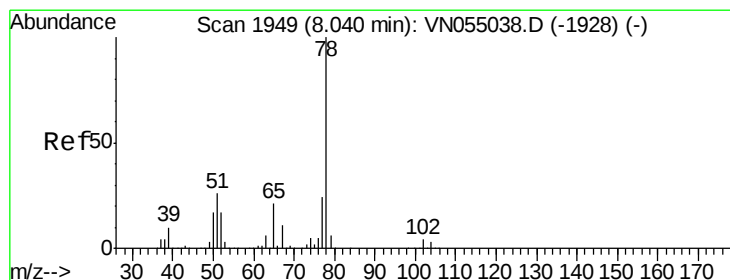
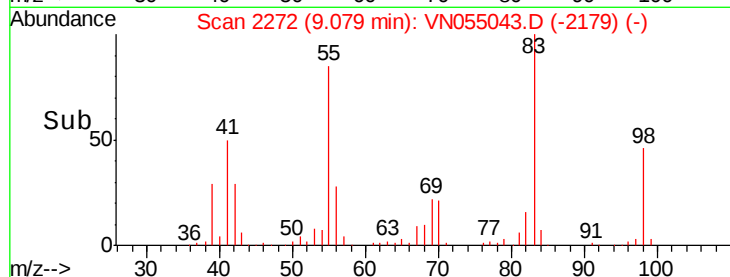
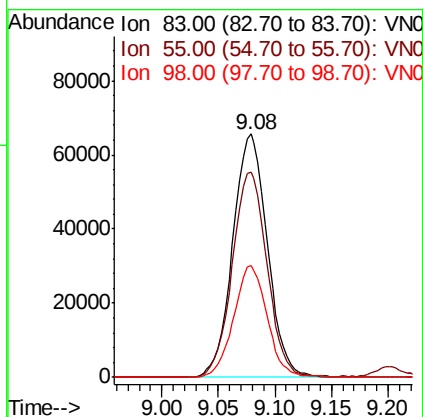
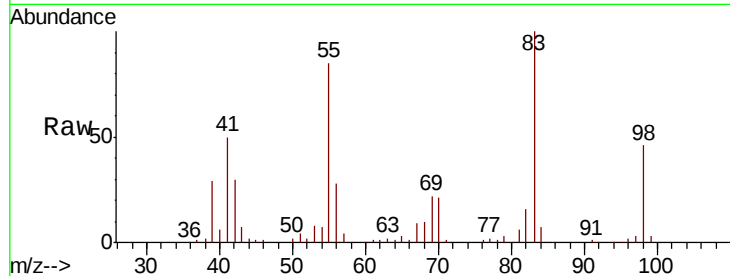




#39
Methvlcvclohexane
Concen: 19.598 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

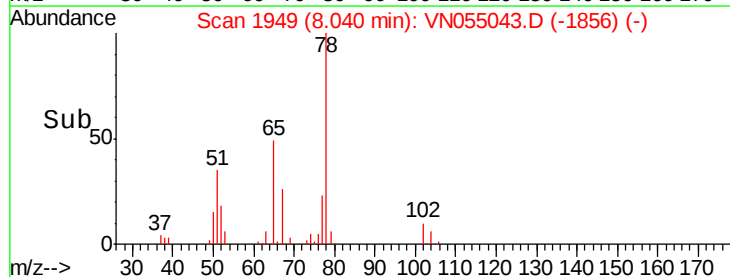
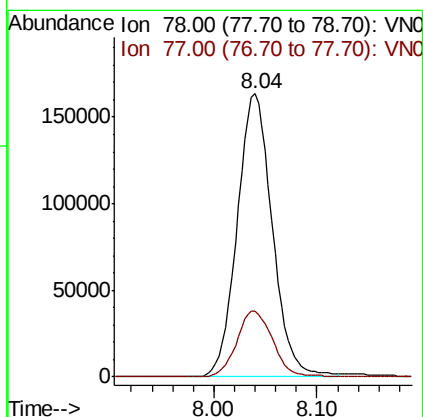
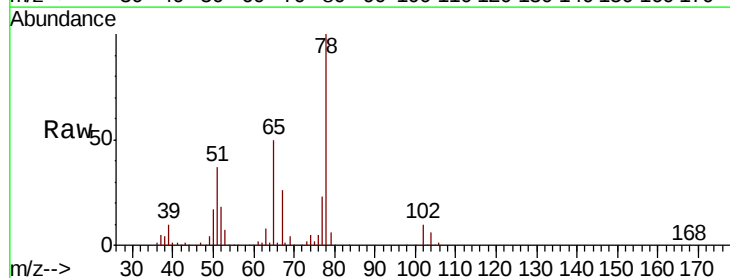
Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

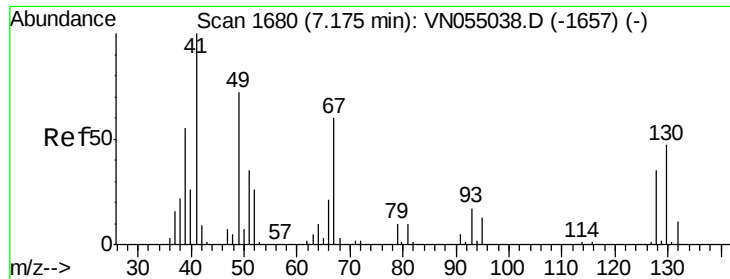
Tot Ion: 83 Resp: 139840
Ion Ratio Lower Upper
83 100
55 84.5 67.0 100.4
98 45.8 35.6 53.4



#40
Benzene
Concen: 19.497 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion: 78 Resp: 386929
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2

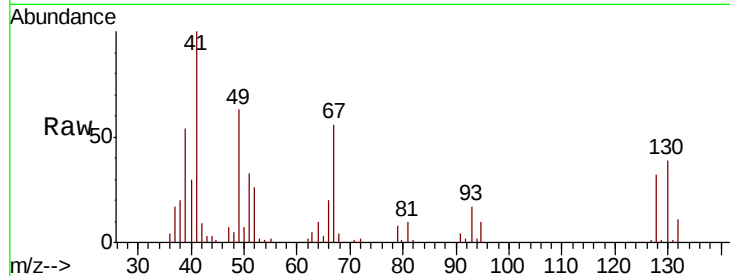




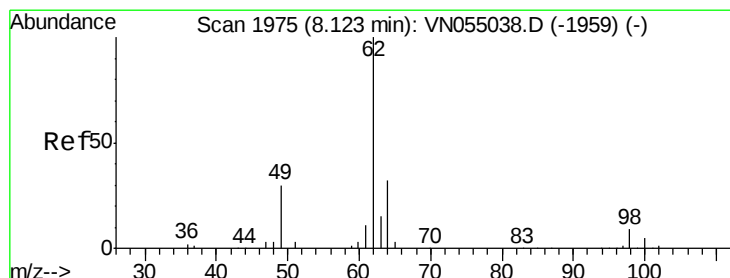
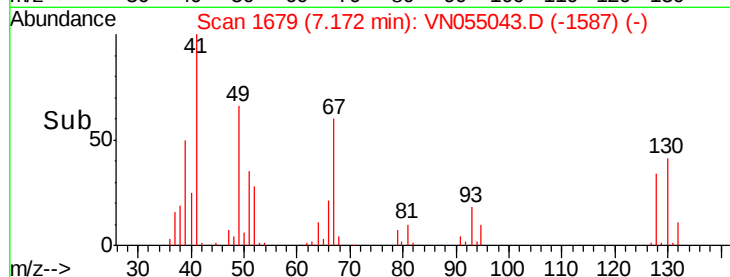
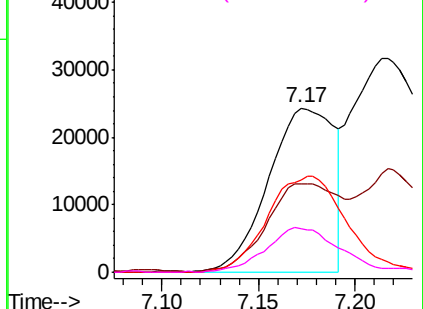
#41
Methacrylonitrile
Concen: 19.367 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

Tot Ion:	41	Resp:	57630
Ion	Ratio	Lower	Upper
41	100		
39	62.5	45.6	68.4
67	70.4	57.0	85.6
52	30.9	23.6	35.4

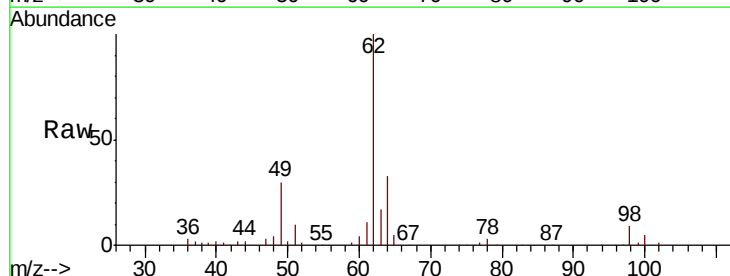


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

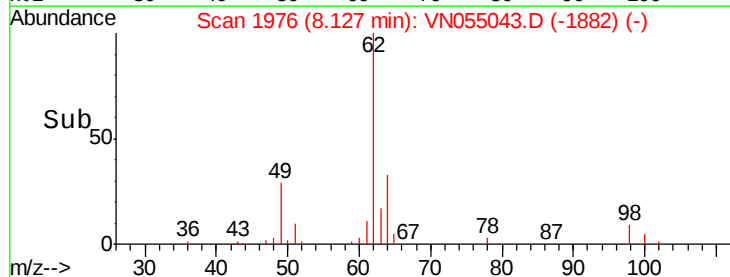
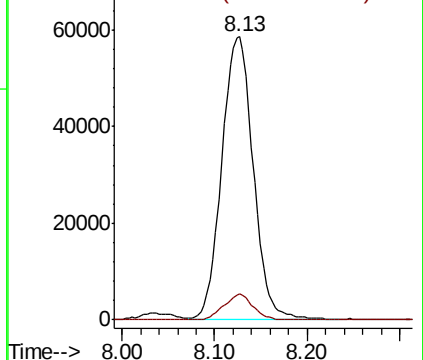


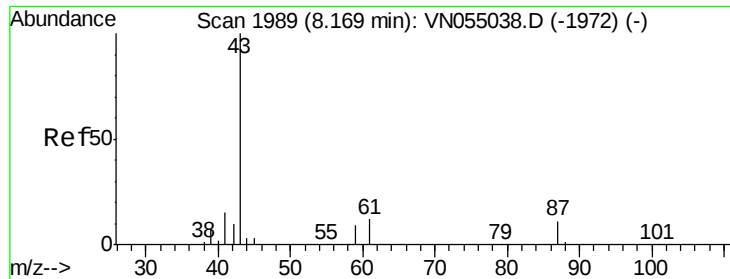
#42
1,2-Dichloroethane
Concen: 20.070 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion:	62	Resp:	138286
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	17.4



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 20.443 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBS01

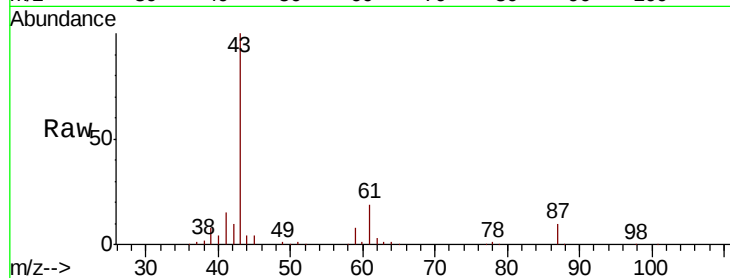
Tot Ion: 43 Resp: 168856

Ion Ratio Lower Upper

43 100

61 18.4 14.3 21.5

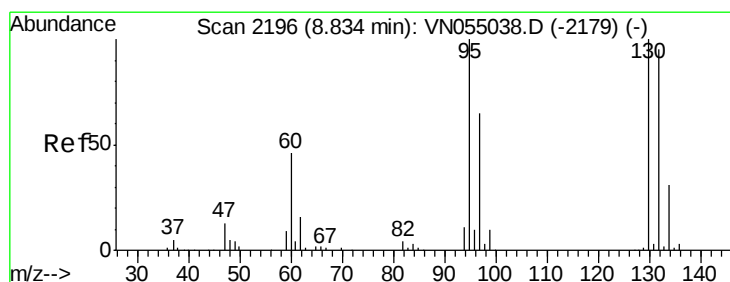
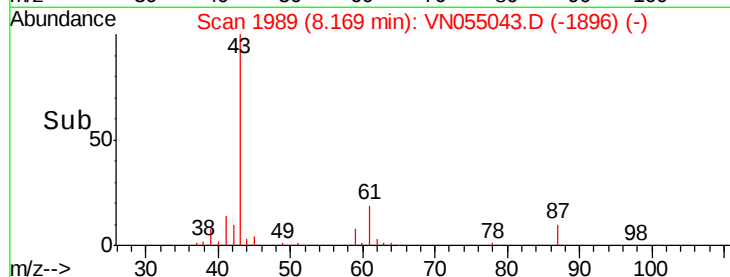
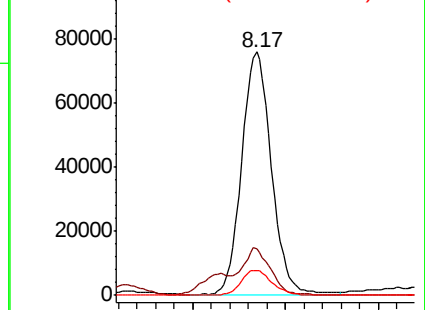
87 10.6 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055043.D (-1972) (-)

Ion 61.00 (60.70 to 61.70): VN055043.D (-1972) (-)

Ion 87.00 (86.70 to 87.70): VN055043.D (-1972) (-)



#44

Trichloroethene

Concen: 19.586 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055043.D

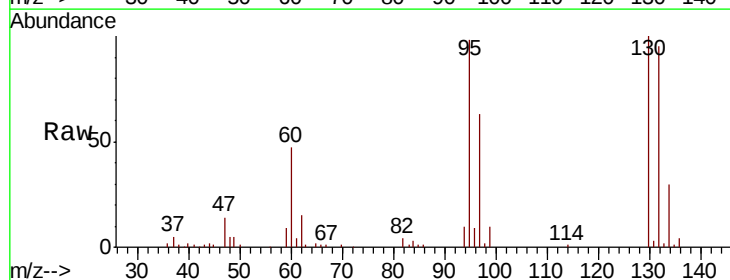
Acq: 15 Apr 2019 14:39

Tgt Ion:130 Resp: 97358

Ion Ratio Lower Upper

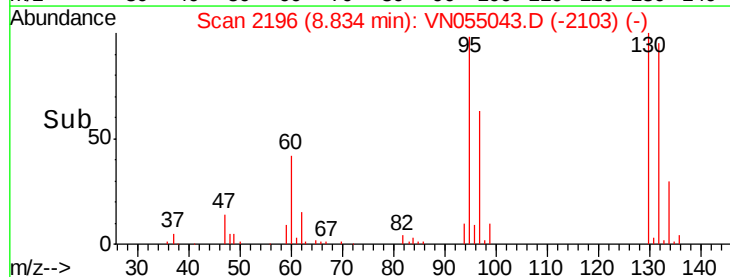
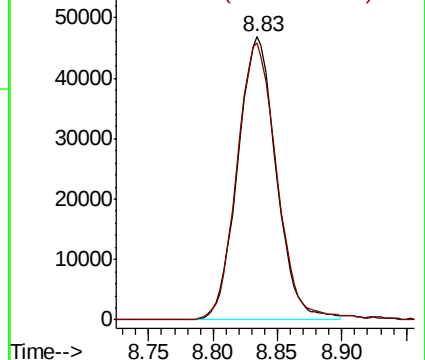
130 100

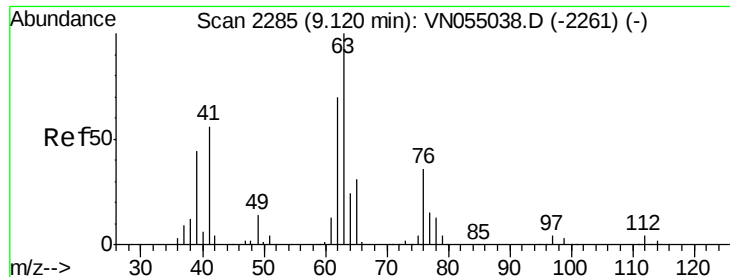
95 97.7 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN055043.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055043.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 19.714 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

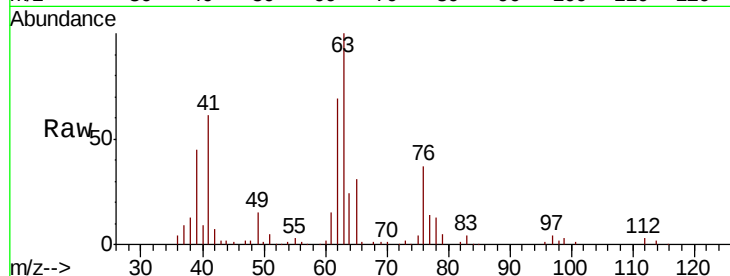
VN0415MBS01

Tot Ion: 63 Resp: 109107

Ion Ratio Lower Upper

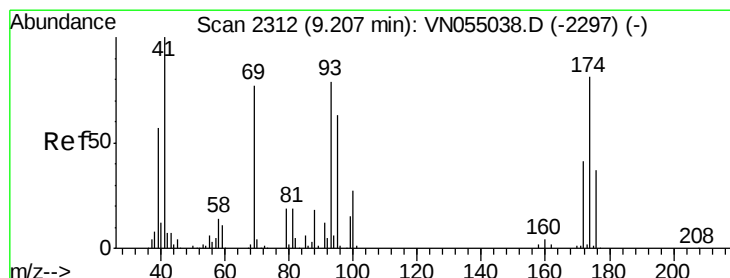
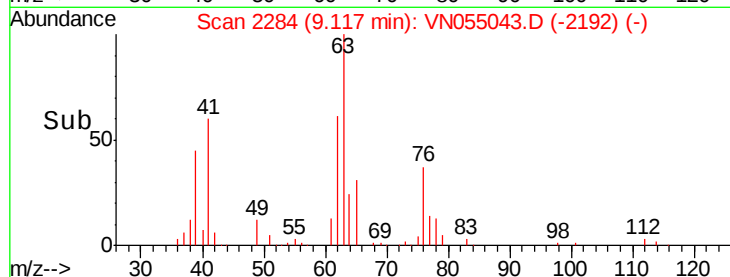
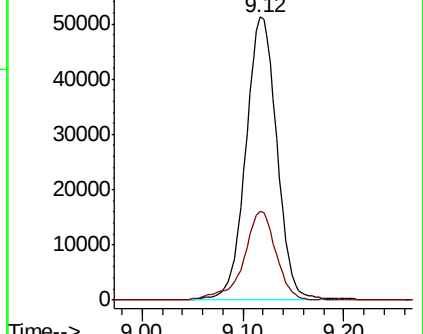
63 100

65 31.4 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.912 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

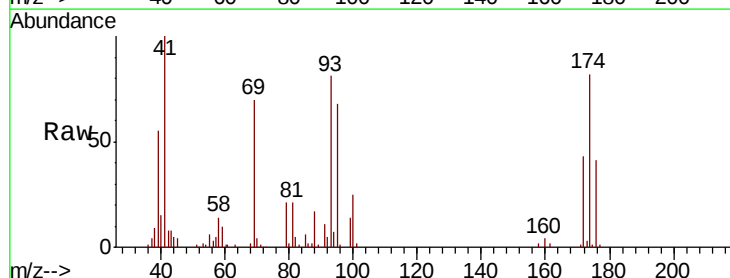
Tgt Ion: 93 Resp: 62726

Ion Ratio Lower Upper

93 100

95 83.6 65.0 97.6

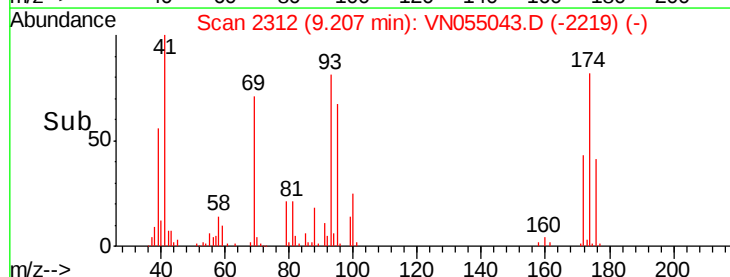
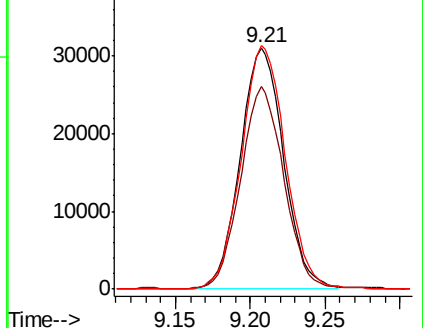
174 102.8 81.0 121.6

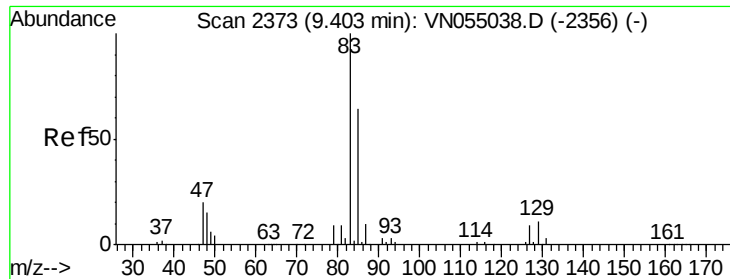


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.104 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBS01

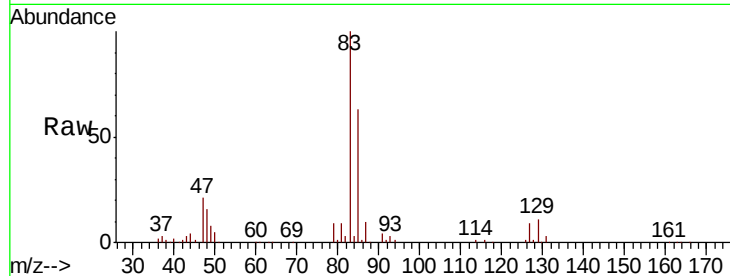
Tot Ion: 83 Resp: 124076

Ion Ratio Lower Upper

83 100

85 63.2 51.2 76.8

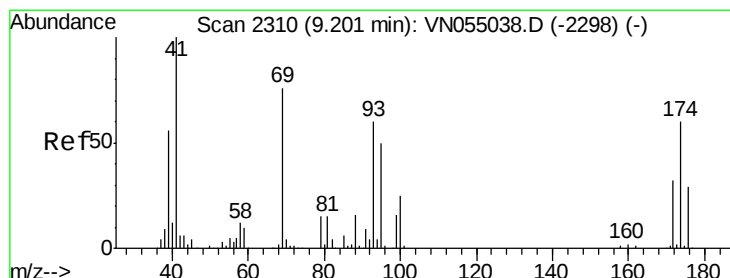
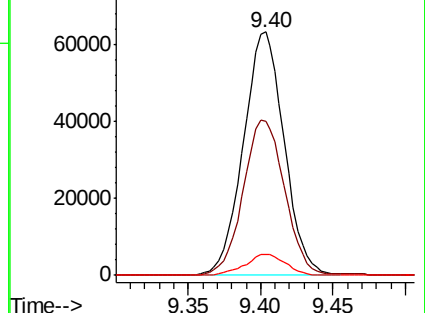
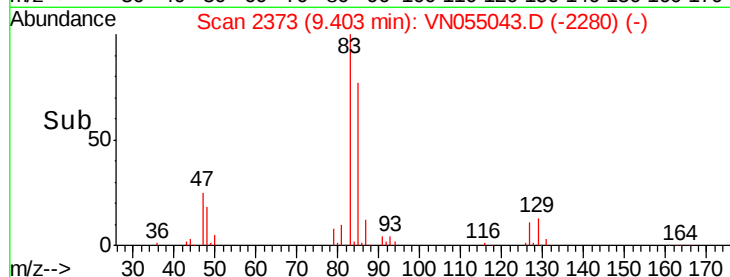
127 8.8 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.358 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

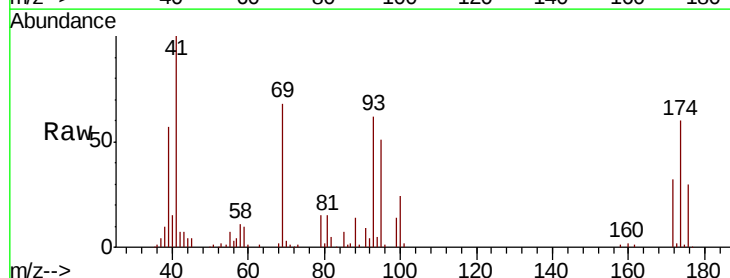
Tgt Ion: 41 Resp: 83348

Ion Ratio Lower Upper

41 100

69 71.6 60.5 90.7

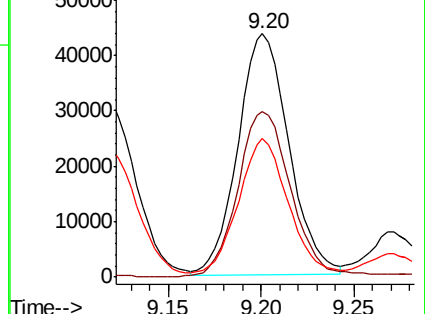
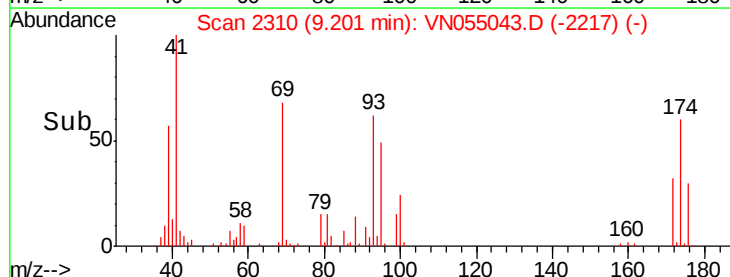
39 55.3 43.9 65.9

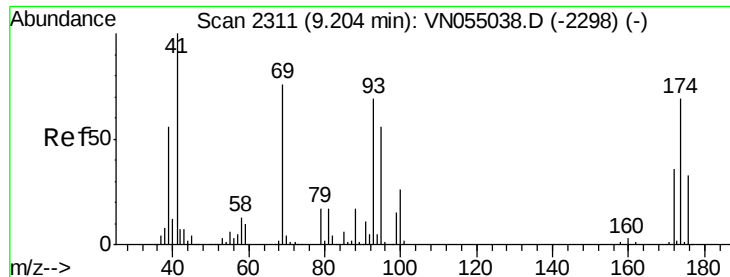


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 361.315 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBS01

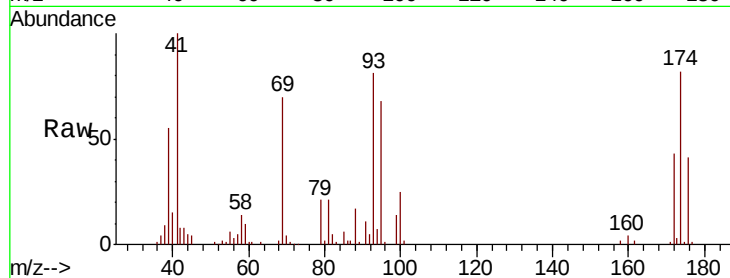
Tot Ion: 88 Resp: 13859

Ion Ratio Lower Upper

88 100

43 37.1 31.8 47.8

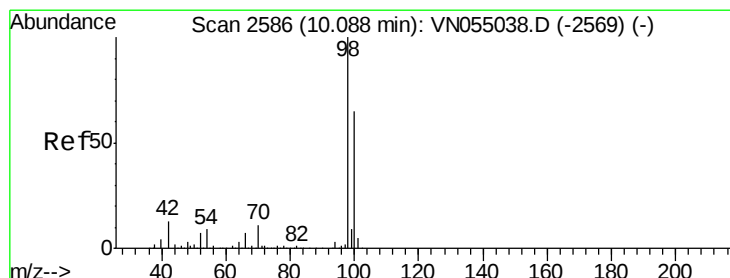
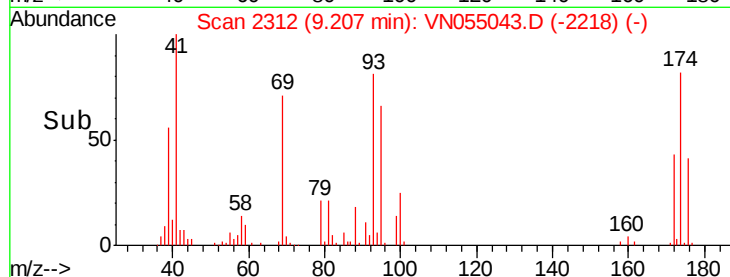
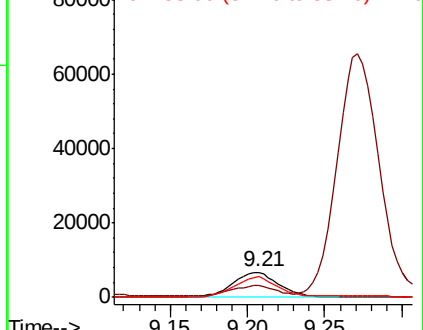
58 77.7 61.6 92.4



Abundance Ion 88.00 (87.70 to 88.70): VN055038.D (-2298) (-)

Ion 43.00 (42.70 to 43.70): VN055038.D (-2298) (-)

Ion 58.00 (57.70 to 58.70): VN055038.D (-2298) (-)



#50

Toluene-d8

Concen: 50.146 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055043.D

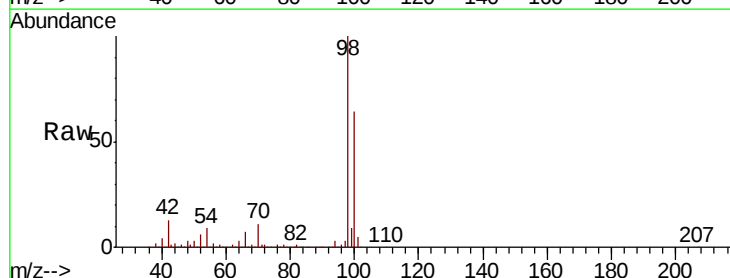
Acq: 15 Apr 2019 14:39

Tgt Ion: 98 Resp: 837809

Ion Ratio Lower Upper

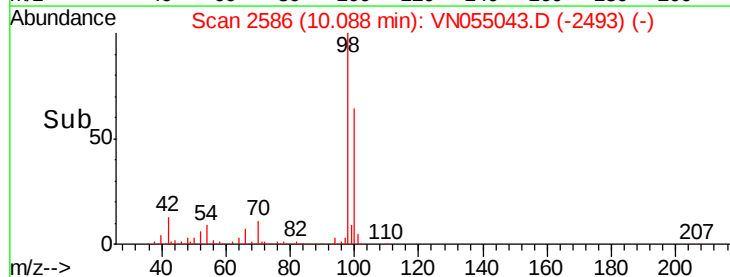
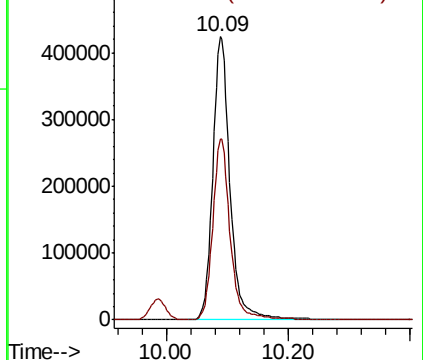
98 100

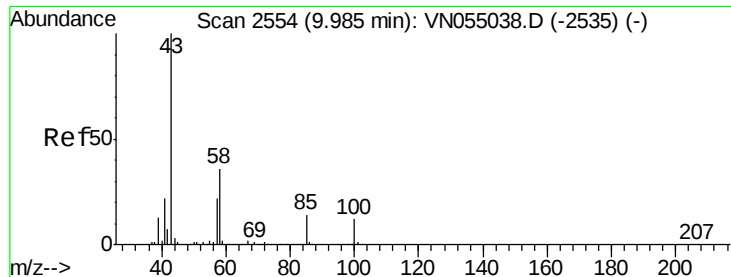
100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055038.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN055038.D (-2569) (-)





#51

4-Methyl-2-Pentanone

Concen: 100.291 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

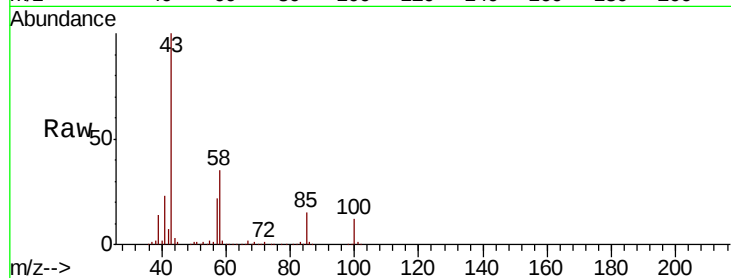
VN0415MBS01

Tot Ion: 43 Resp: 478591

Ion Ratio Lower Upper

43 100

58 35.3 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

250000

200000

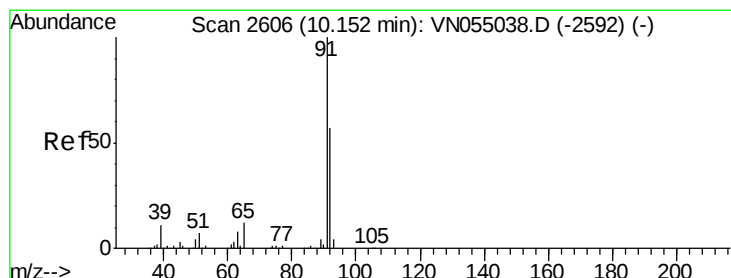
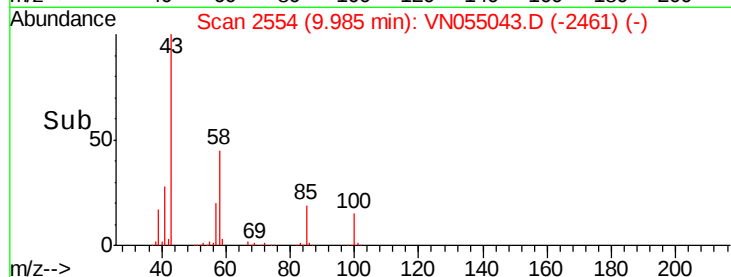
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.454 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055043.D

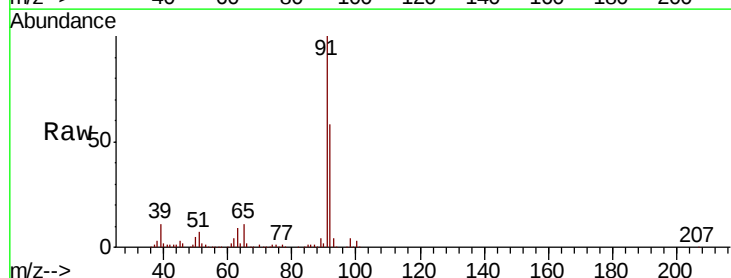
Acq: 15 Apr 2019 14:39

Tgt Ion: 92 Resp: 232480

Ion Ratio Lower Upper

92 100

91 173.8 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

200000

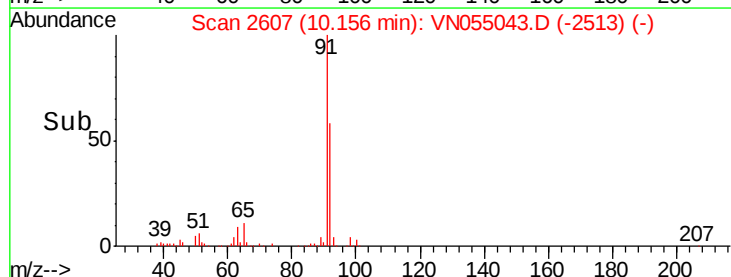
150000

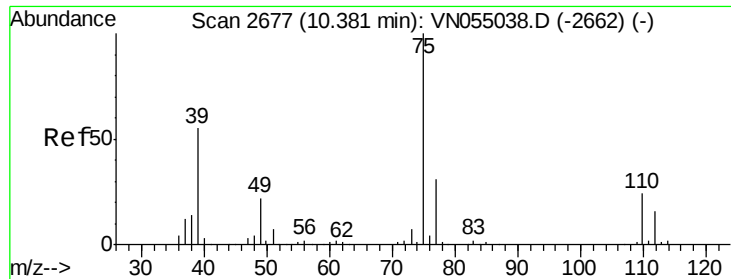
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.424 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

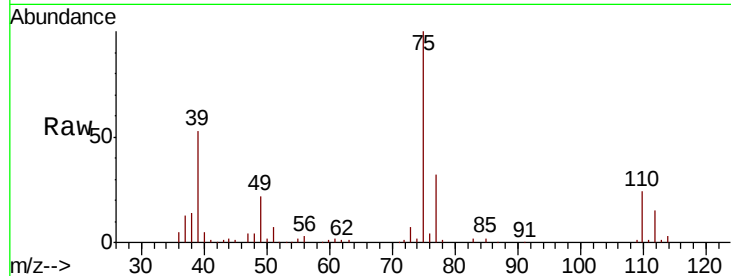
VN0415MBS01

Tot Ion: 75 Resp: 110250

Ion Ratio Lower Upper

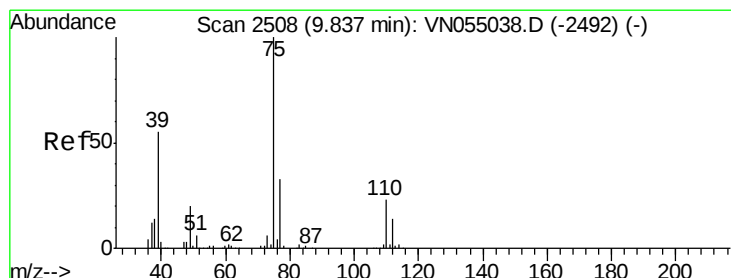
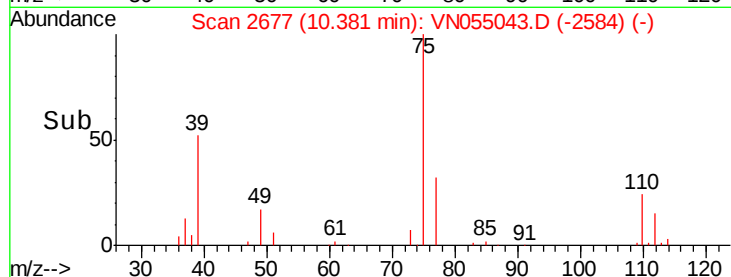
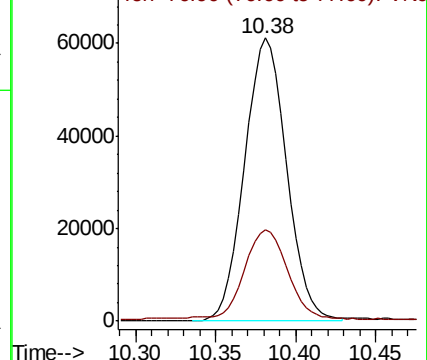
75 100

77 31.2 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.183 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

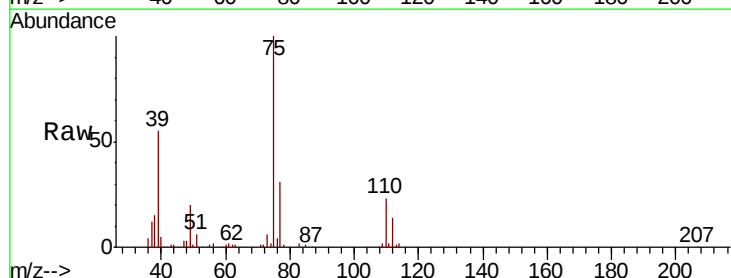
Tgt Ion: 75 Resp: 142181

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6

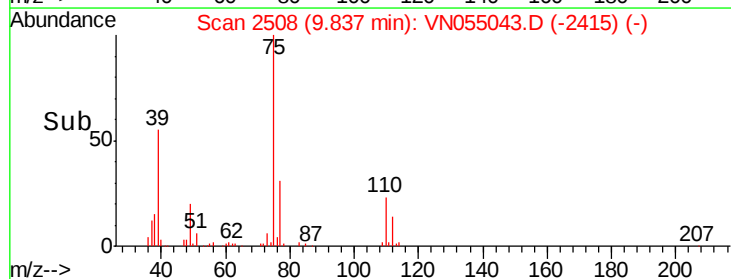
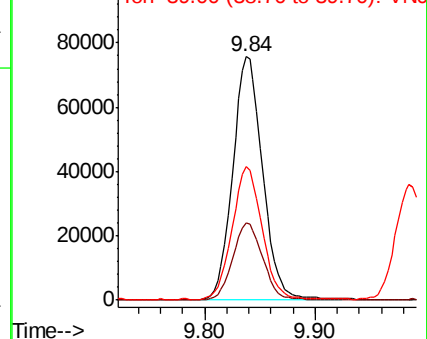
39 54.5 43.8 65.8

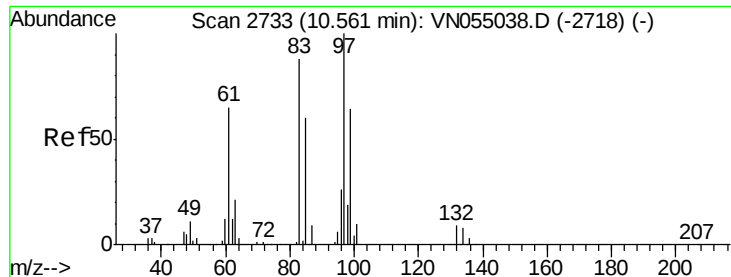


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

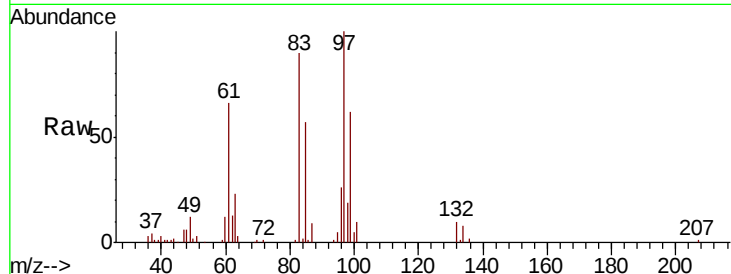




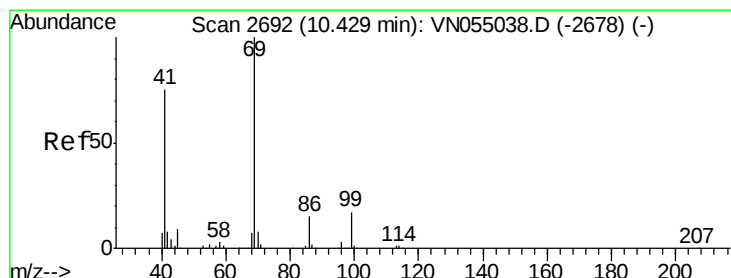
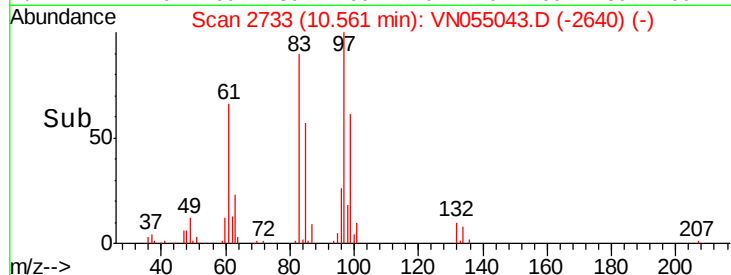
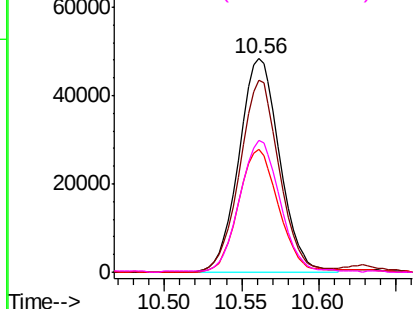
#55
 1,1,2-Trichloroethane
 Concen: 20.282 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

Tot Ion: 97 Resp: 88816
 Ion Ratio Lower Upper
 97 100
 83 89.7 70.5 105.7
 85 57.4 45.5 68.3
 99 61.5 49.4 74.0

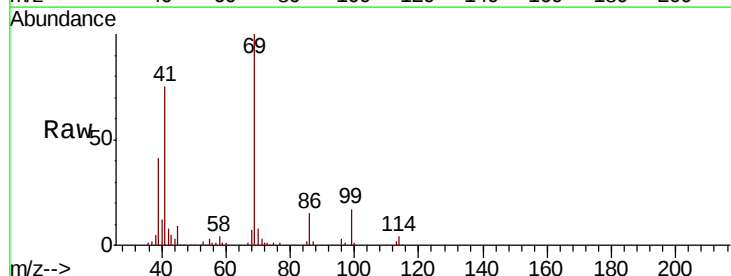


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

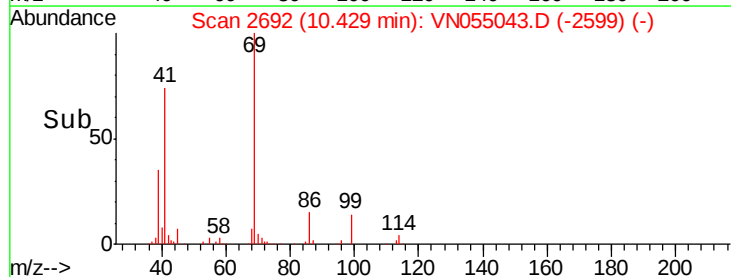
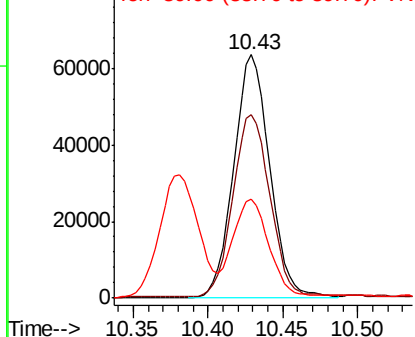


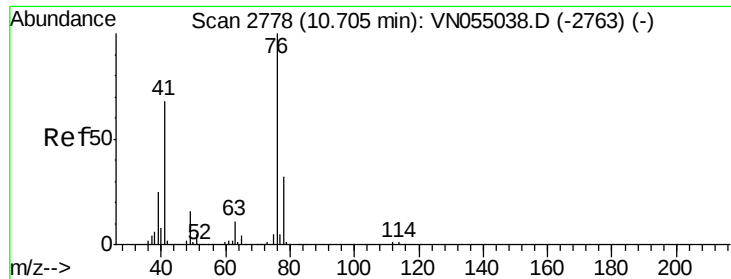
#56
 Ethyl methacrylate
 Concen: 20.362 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion: 69 Resp: 107013
 Ion Ratio Lower Upper
 69 100
 41 76.5 61.4 92.0
 39 39.5 30.8 46.2



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0

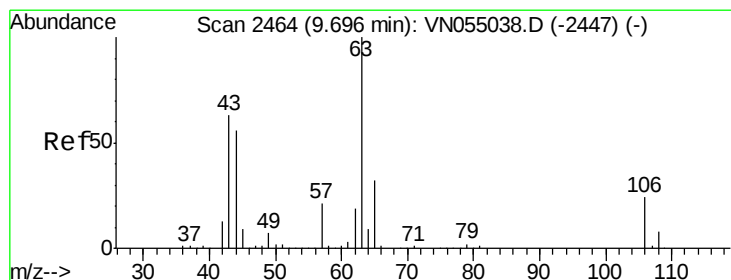
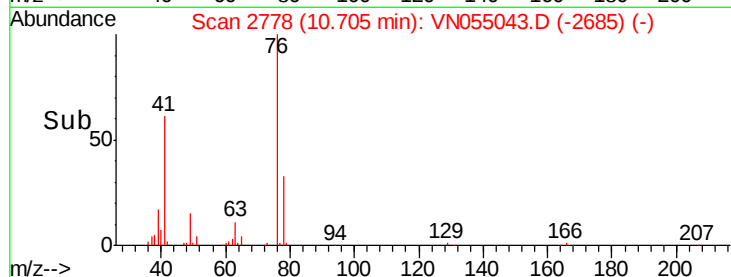
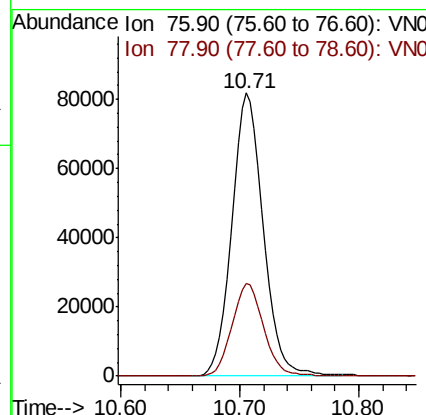
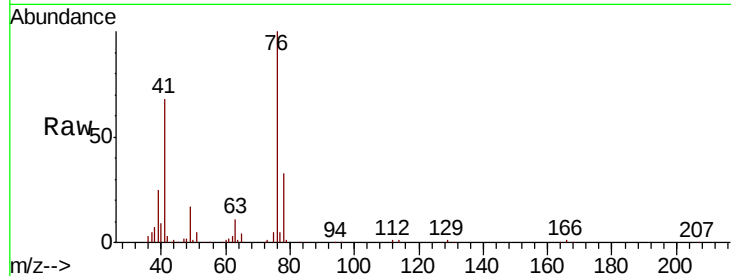




#57
 1,3-Dichloropropane
 Concen: 20.072 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

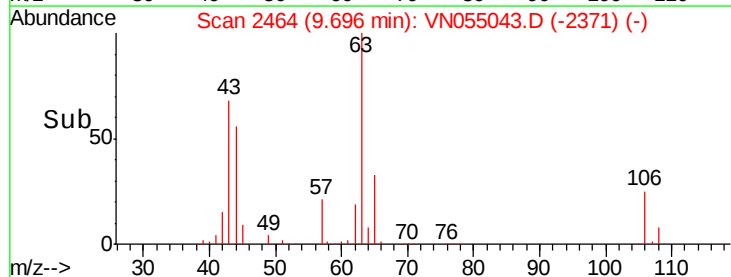
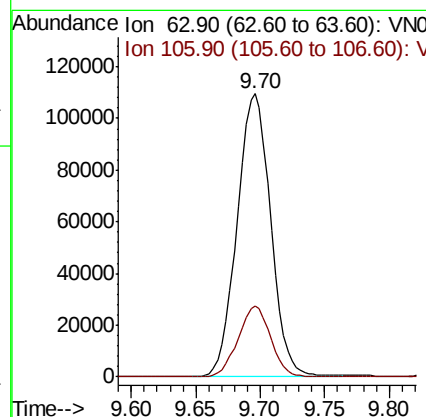
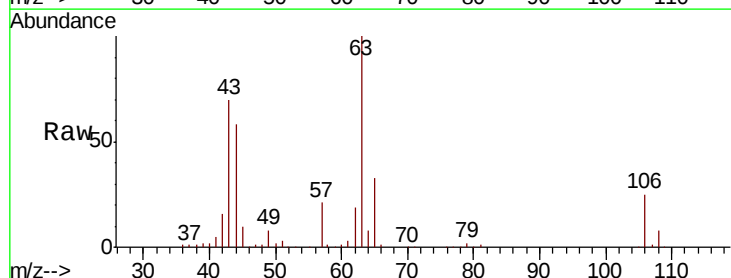
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

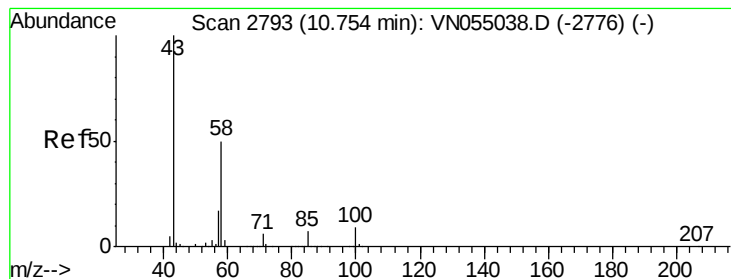
Tot Ion: 76 Resp: 149650
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.172 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion: 63 Resp: 198825
 Ion Ratio Lower Upper
 63 100
 106 24.1 20.0 30.0





#59

2-Hexanone

Concen: 101.137 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

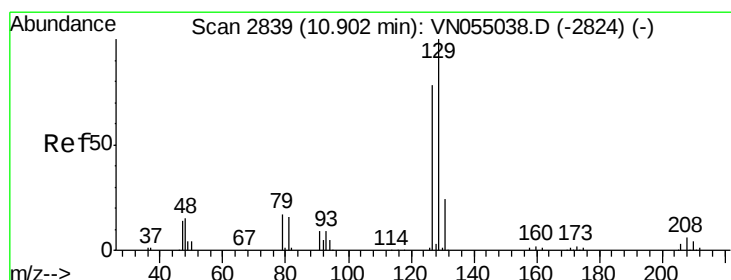
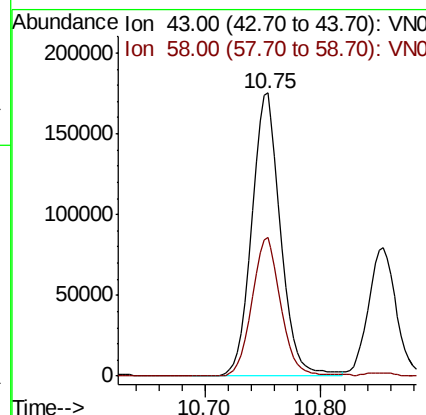
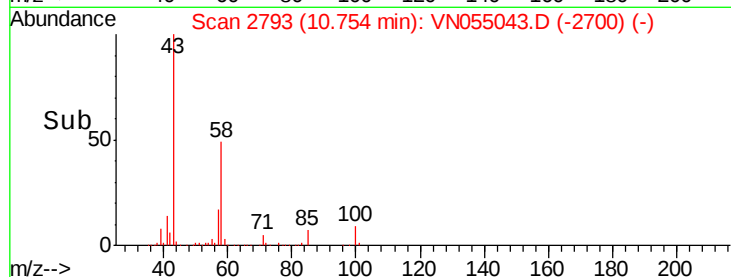
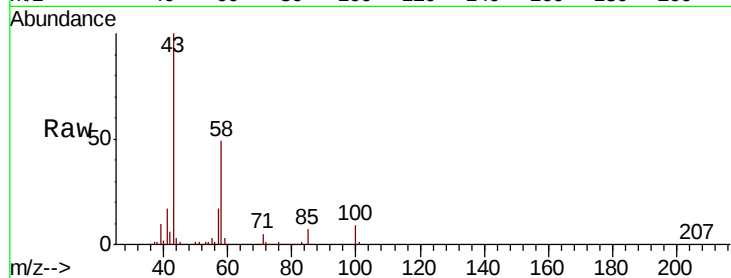
VN0415MBS01

Tot Ion: 43 Resp: 303136

Ion Ratio Lower Upper

43 100

58 49.3 25.1 75.2



#60

Dibromochloromethane

Concen: 20.140 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055043.D

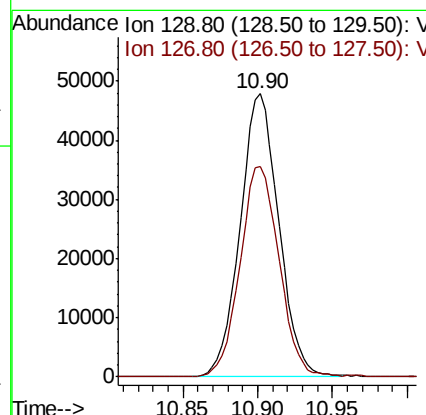
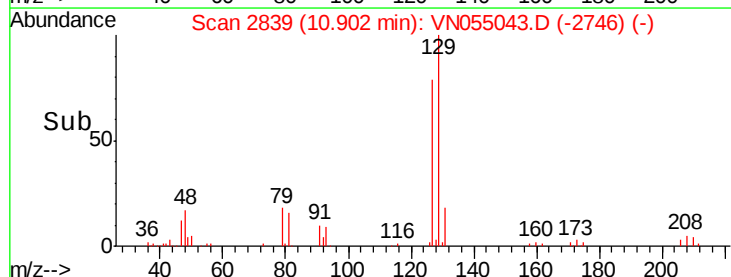
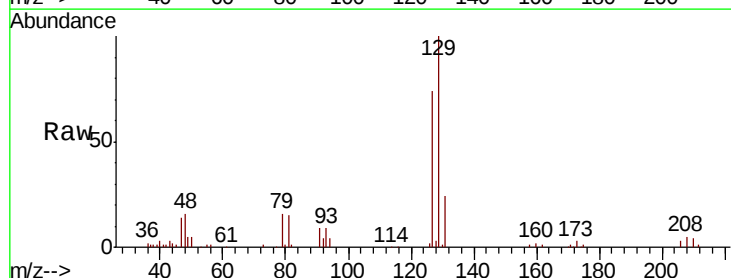
Acq: 15 Apr 2019 14:39

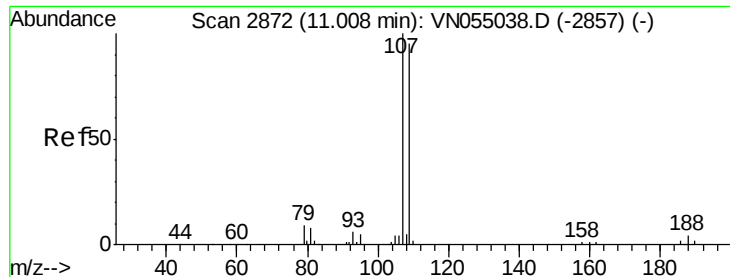
Tgt Ion: 129 Resp: 86120

Ion Ratio Lower Upper

129 100

127 75.2 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.238 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

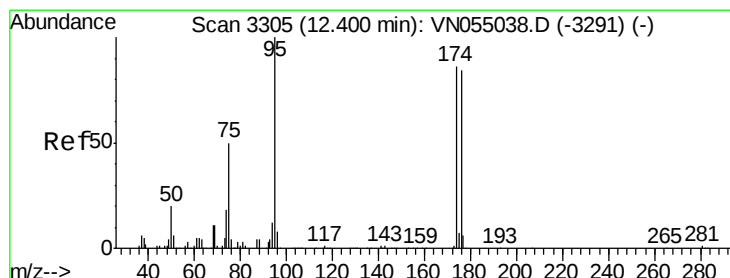
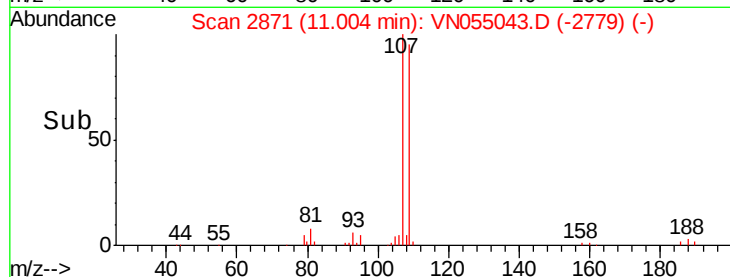
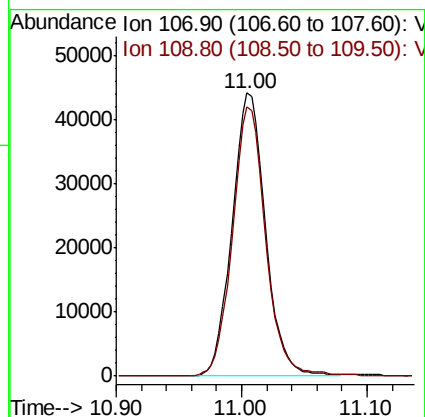
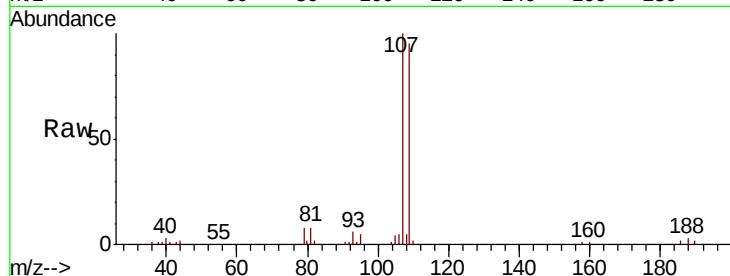
VN0415MBS01

Tot Ion:107 Resp: 81573

Ion Ratio Lower Upper

107 100

109 94.9 76.5 114.7



#62

4-Bromofluorobenzene

Concen: 48.682 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

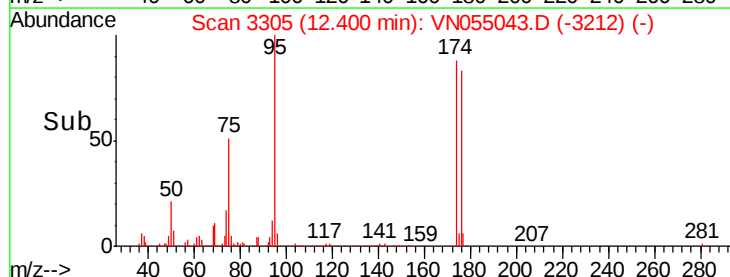
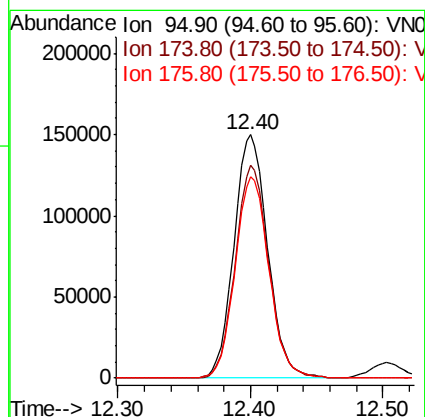
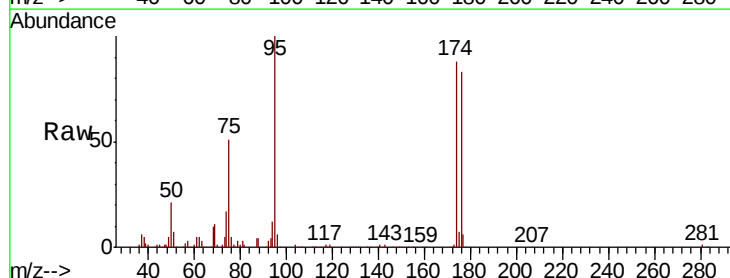
Tgt Ion: 95 Resp: 264418

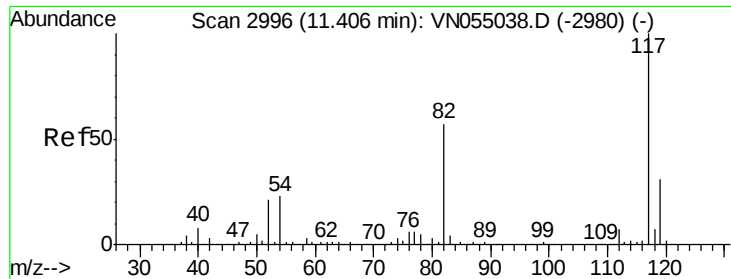
Ion Ratio Lower Upper

95 100

174 86.8 0.0 174.4

176 83.4 0.0 166.8

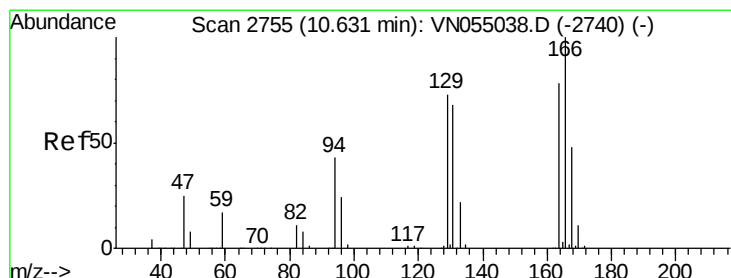
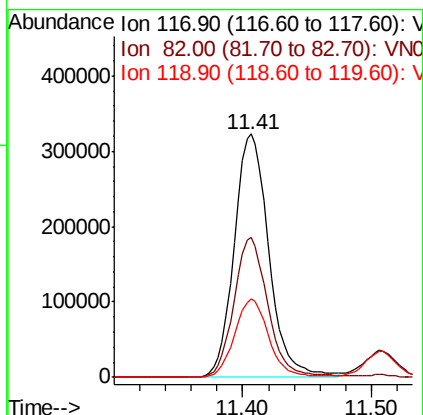
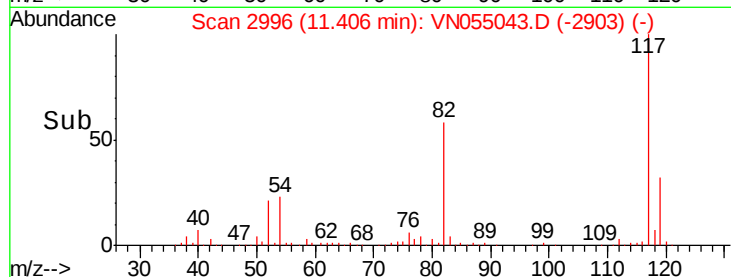
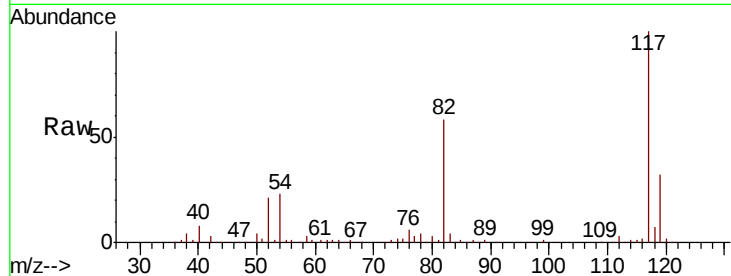




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

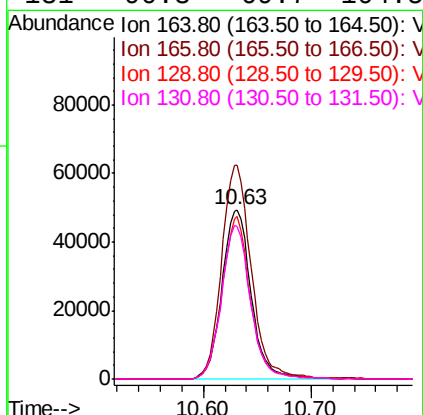
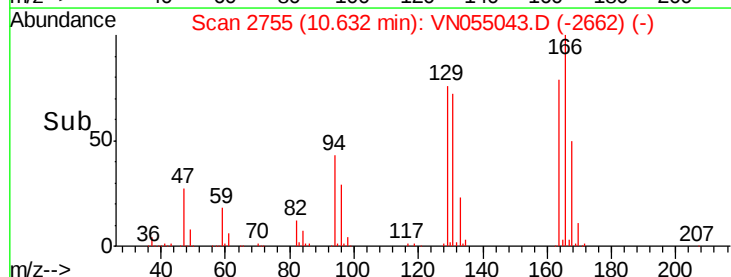
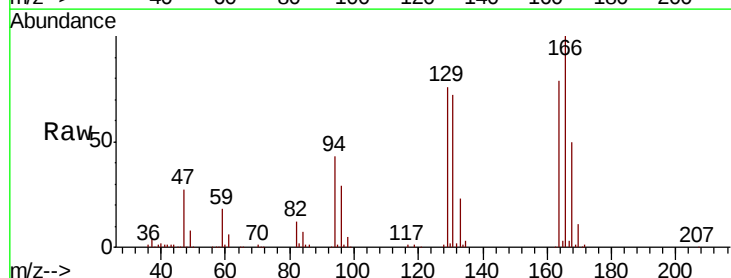
Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

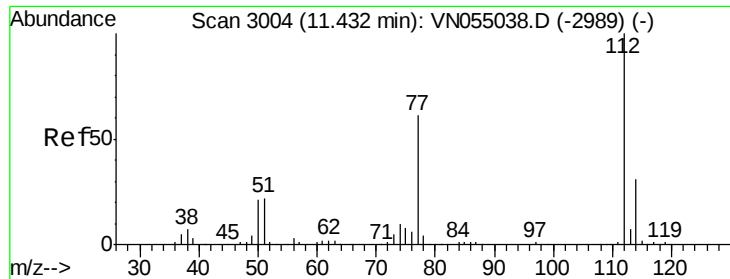
Tot Ion:117 Resp: 603185
Ion Ratio Lower Upper
117 100
82 57.5 44.6 66.8
119 32.2 25.5 38.3



#64
Tetrachloroethene
Concen: 18.993 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion:164 Resp: 93156
Ion Ratio Lower Upper
164 100
166 126.3 100.0 150.0
129 95.7 72.0 108.0
131 90.3 69.7 104.5

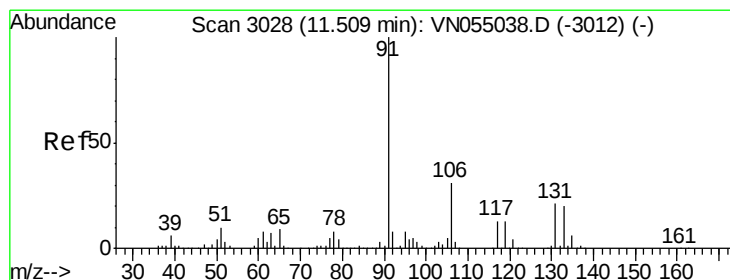
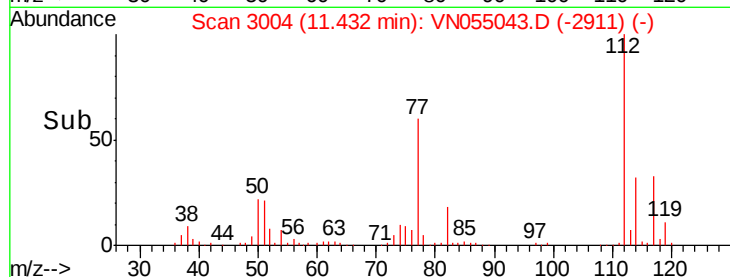
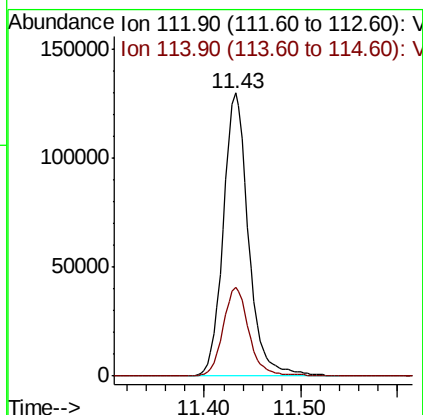
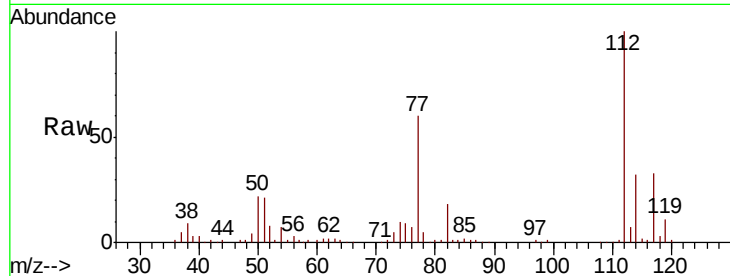




#65
Chlorobenzene
Concen: 19.391 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

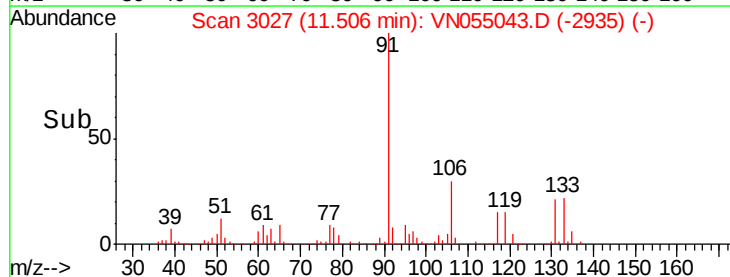
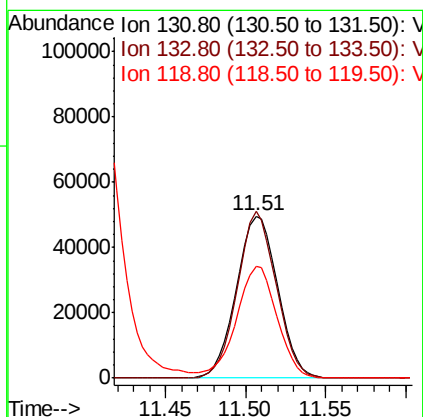
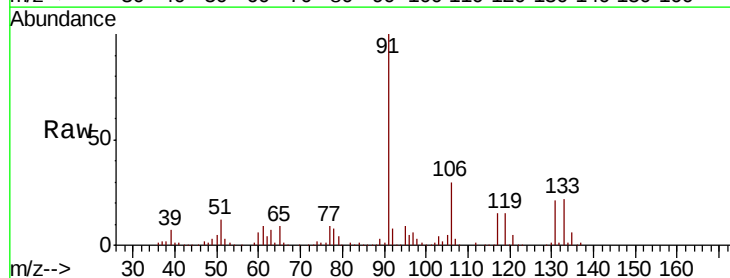
Instrument :
MSVOA_N
ClientSampled :
VN0415MBS01

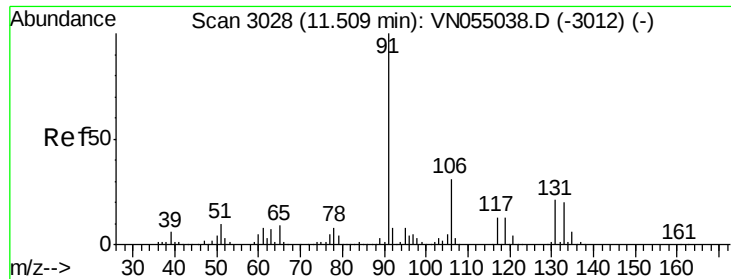
Tot Ion:112 Resp: 235444
Ion Ratio Lower Upper
112 100
114 31.6 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.557 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion:131 Resp: 87333
Ion Ratio Lower Upper
131 100
133 96.5 47.8 143.3
119 68.1 33.6 100.6

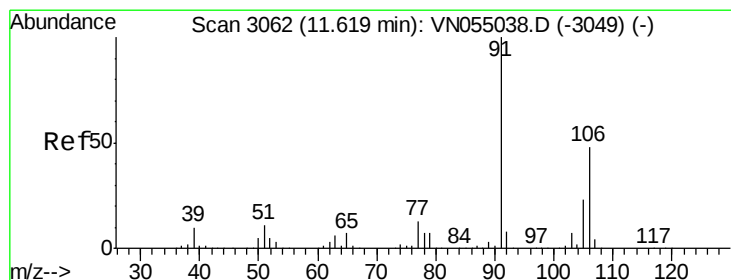
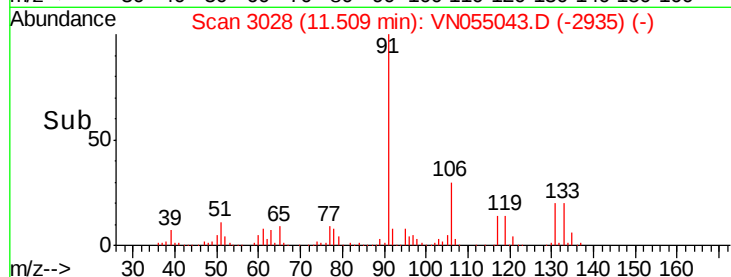
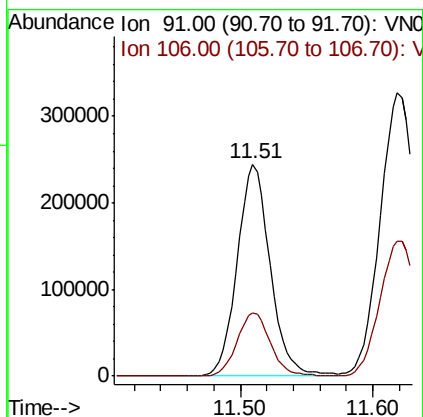
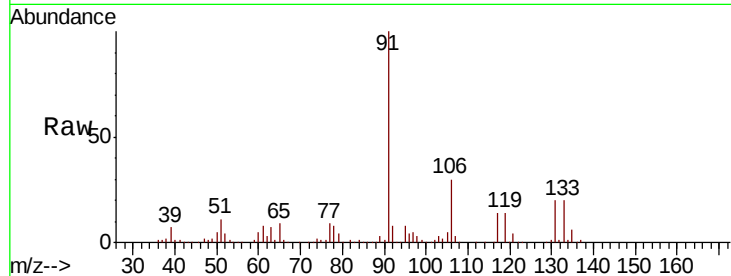




#67
Ethyl Benzene
Concen: 19.547 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

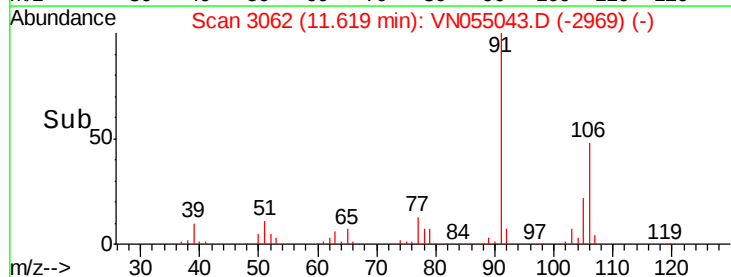
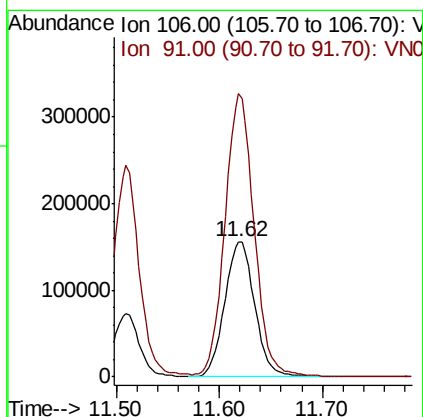
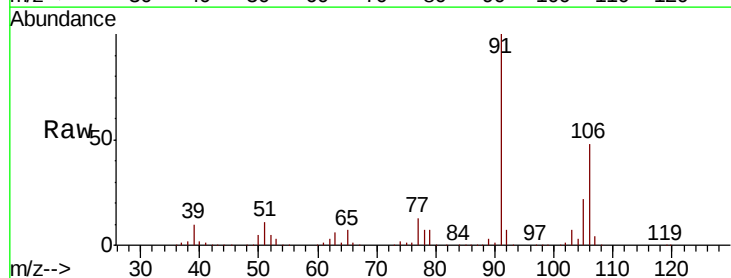
Instrument :
MSVOA_N
ClientSampled :
VN0415MBS01

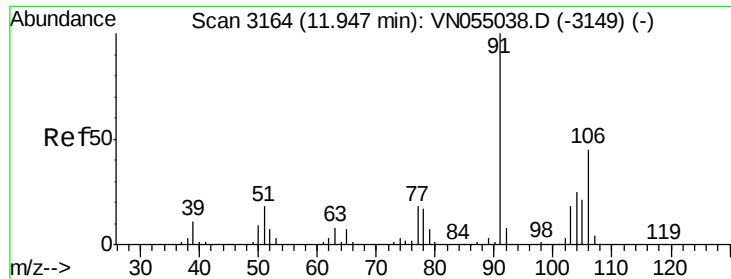
Tot Ion: 91 Resp: 423828
Ion Ratio Lower Upper
91 100
106 30.1 24.3 36.5



#68
m/p-Xylenes
Concen: 40.194 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion: 106 Resp: 315584
Ion Ratio Lower Upper
106 100
91 204.5 165.9 248.9

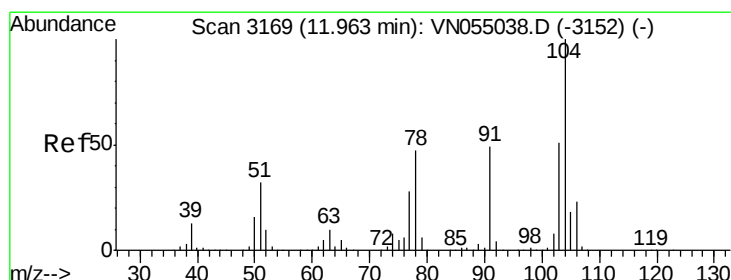
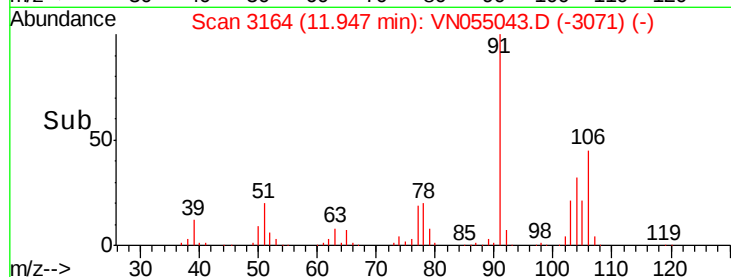
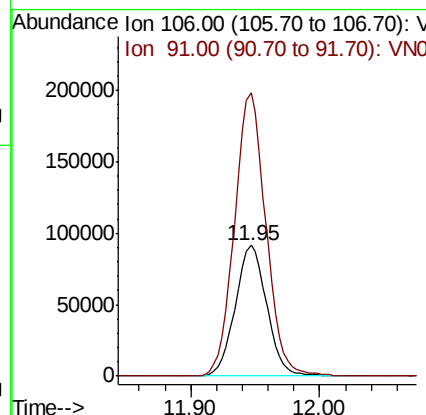
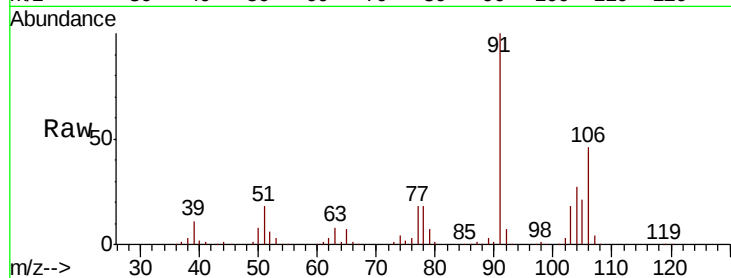




#69
o-Xylene
Concen: 20.422 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

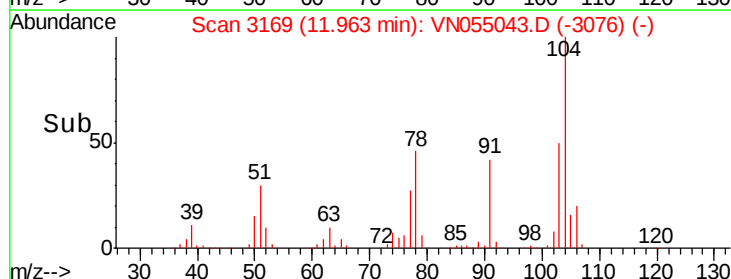
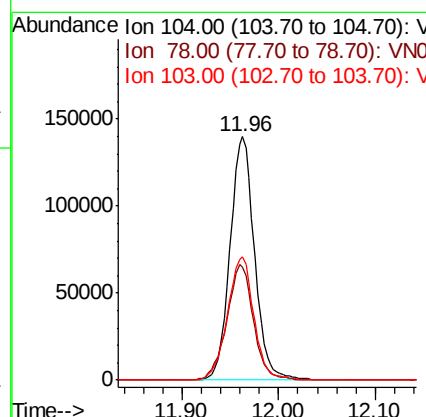
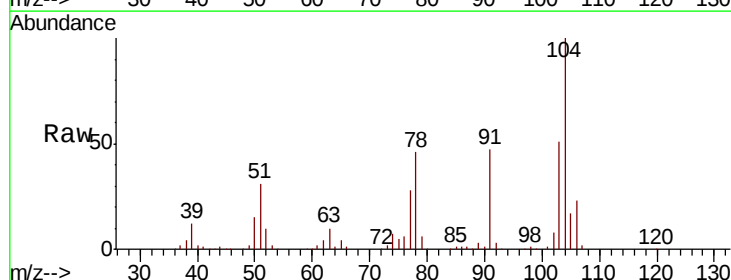
Instrument :
MSVOA_N
ClientSampleId :
VN0415MBS01

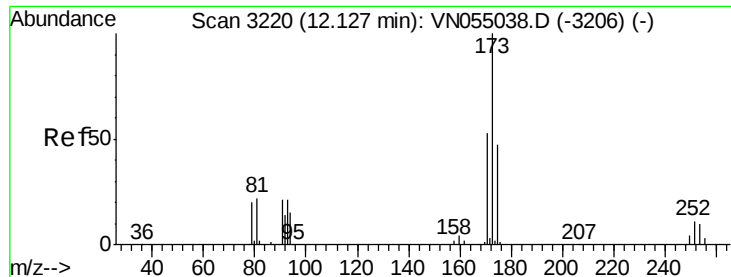
Tot Ion:106 Resp: 155300
Ion Ratio Lower Upper
106 100
91 216.2 109.9 329.8



#70
Styrene
Concen: 20.003 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055043.D
Acq: 15 Apr 2019 14:39

Tgt Ion:104 Resp: 246236
Ion Ratio Lower Upper
104 100
78 51.3 40.3 60.5
103 54.7 44.3 66.5





#71

Bromoform

Concen: 19.808 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBS01

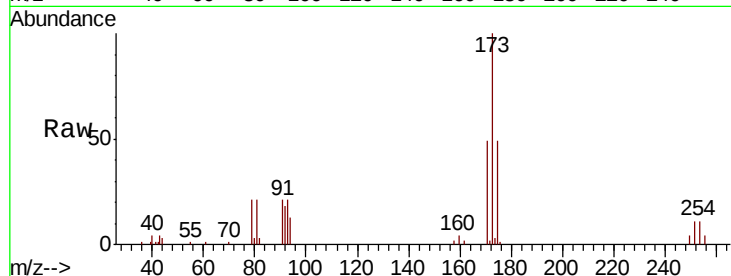
Tot Ion:173 Resp: 50701

Ion Ratio Lower Upper

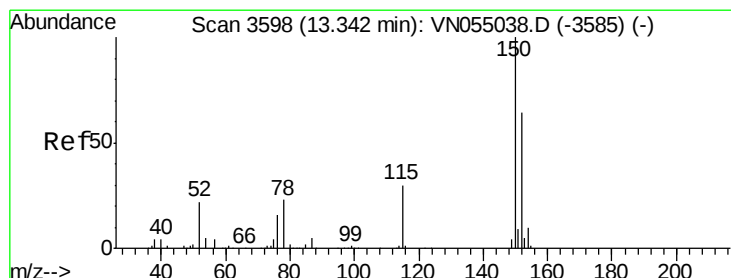
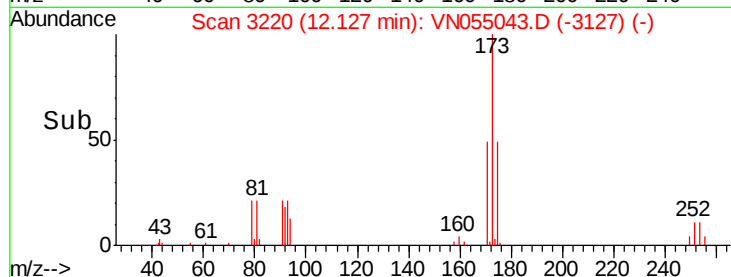
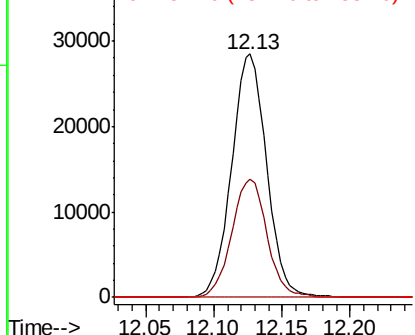
173 100

175 48.9 24.3 73.0

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

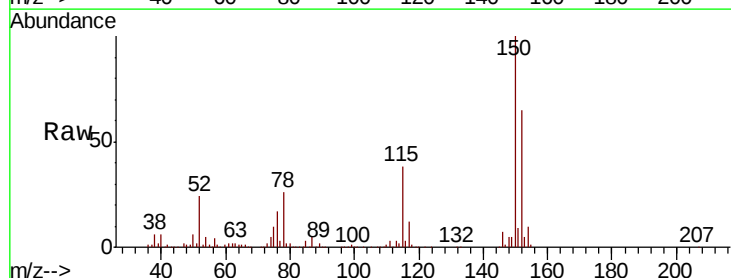
Tgt Ion:152 Resp: 235599

Ion Ratio Lower Upper

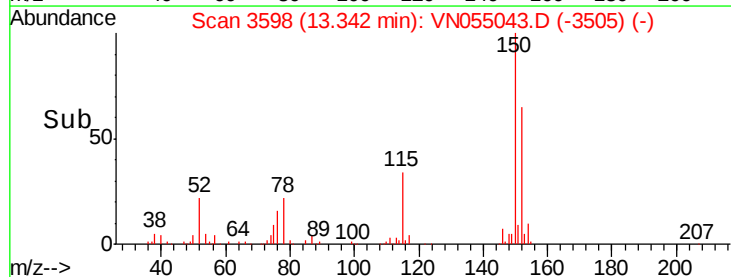
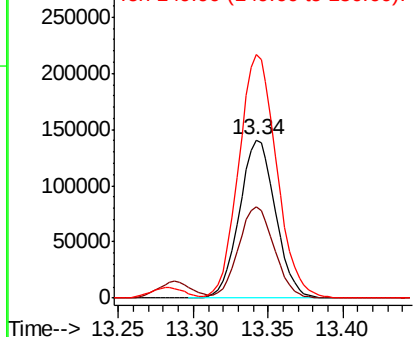
152 100

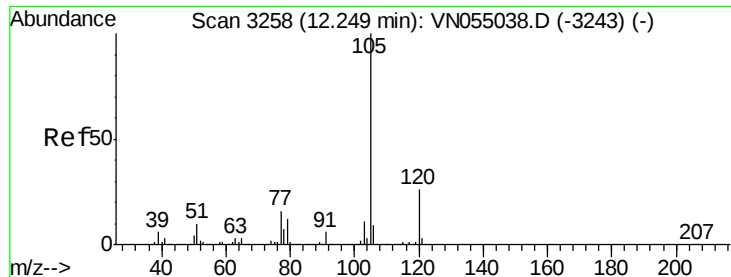
115 57.6 28.5 85.6

150 162.4 0.0 347.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.412 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampled :

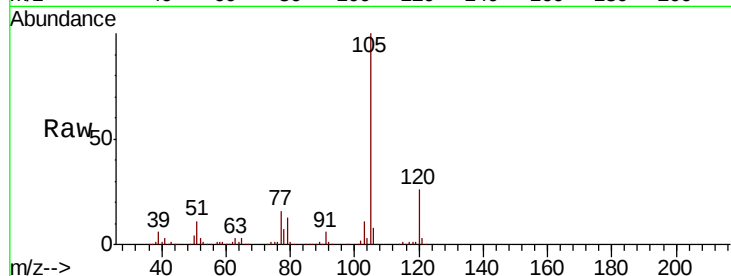
VN0415MBS01

Tot Ion:105 Resp: 405843

Ion Ratio Lower Upper

105 100

120 26.2 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

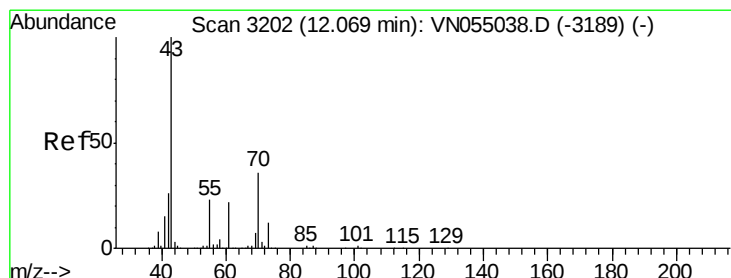
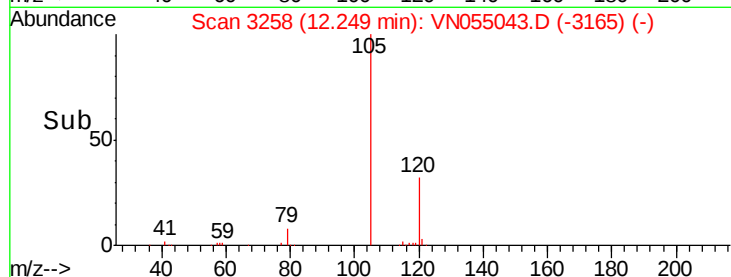
50000

0

12.25

12.30

Time-->



#74

N-ethyl acetate

Concen: 19.758 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Tgt Ion: 43 Resp: 116280

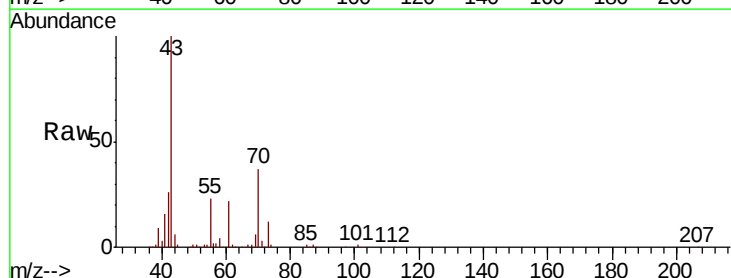
Ion Ratio Lower Upper

43 100

70 37.9 29.4 44.0

55 24.7 19.0 28.4

61 22.4 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

100000

80000

60000

40000

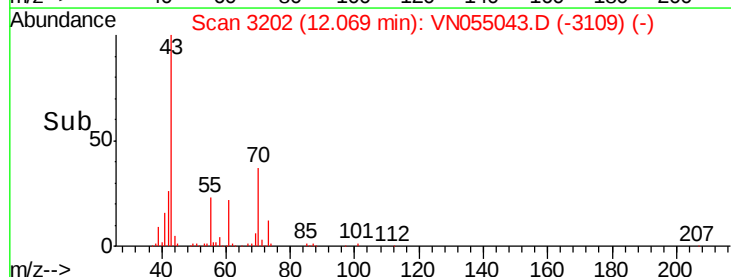
20000

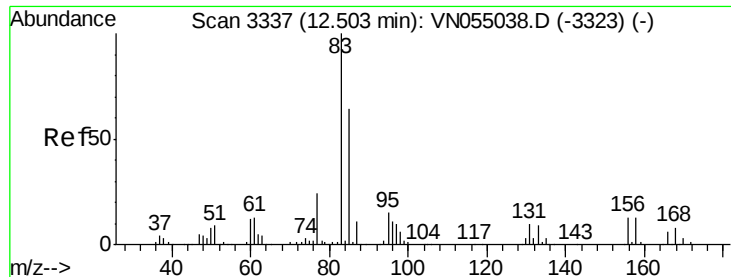
0

12.07

12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.765 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBS01

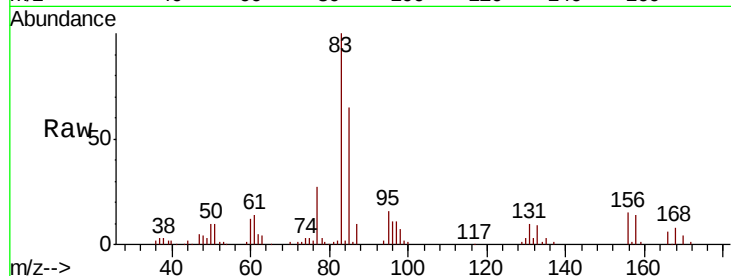
Tot Ion: 83 Resp: 104975

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	15.0
85	65.7	32.3	96.9

83 100

131 10.2 5.0 15.0

85 65.7 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.50

60000

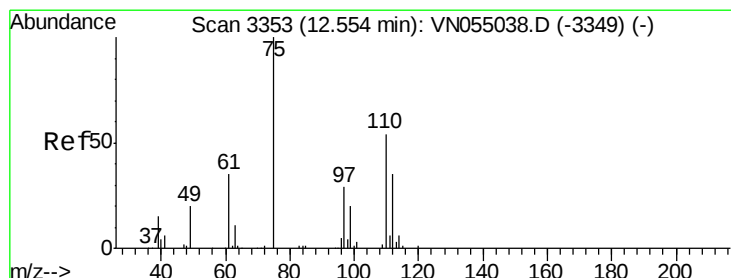
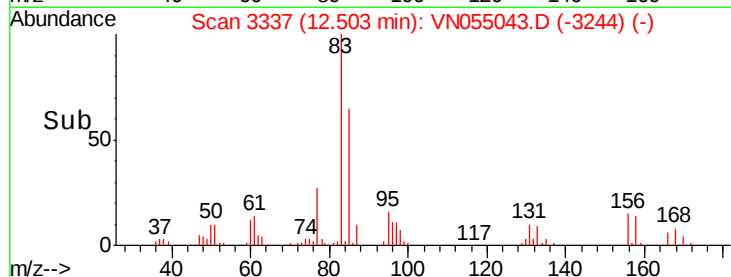
40000

20000

0

Time-->

12.45 12.50 12.55



#76

1,2,3-Trichloropropane

Concen: 27.861 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055043.D

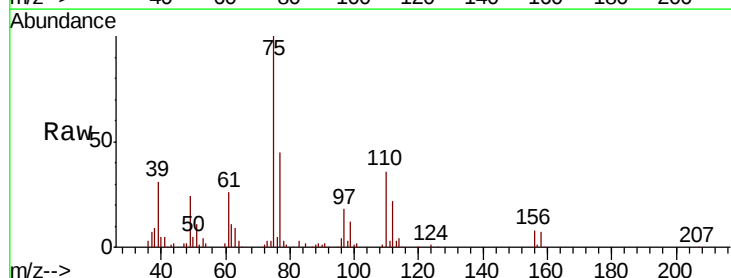
Acq: 15 Apr 2019 14:39

Tgt Ion: 75 Resp: 118039

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

100000

80000

60000

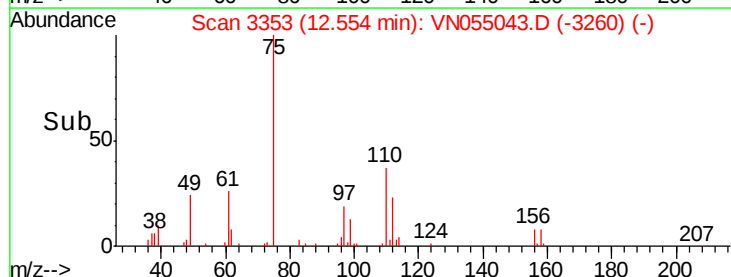
40000

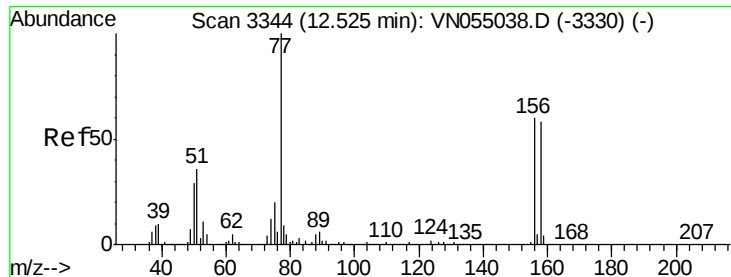
20000

0

Time-->

12.50 12.55 12.60





#77

Bromobenzene

Concen: 18.805 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBS01

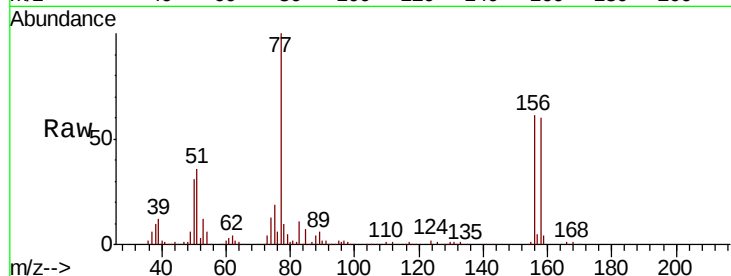
Tot Ion:156 Resp: 98012

Ion Ratio Lower Upper

156 100

77 192.2 97.2 291.5

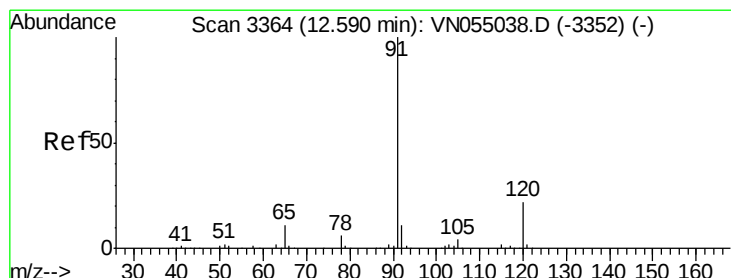
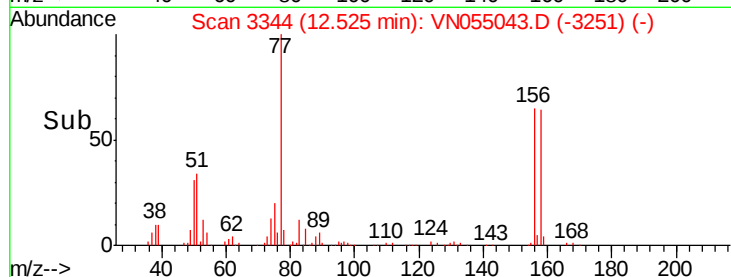
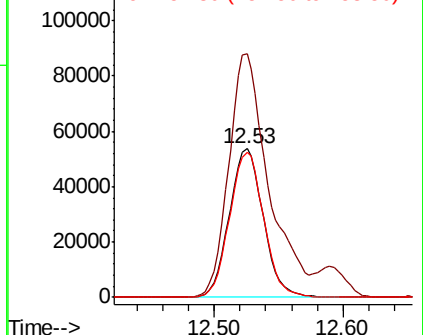
158 98.1 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.528 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055043.D

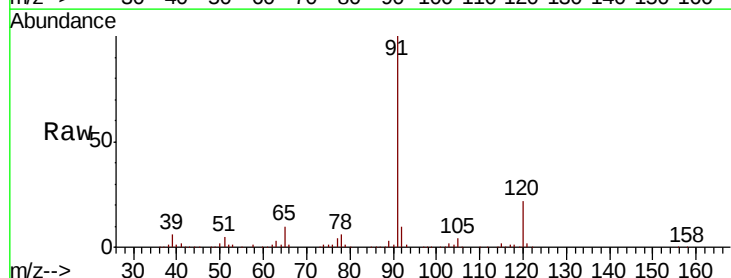
Acq: 15 Apr 2019 14:39

Tgt Ion: 91 Resp: 441099

Ion Ratio Lower Upper

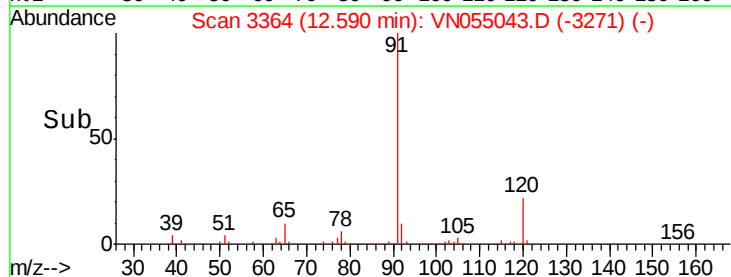
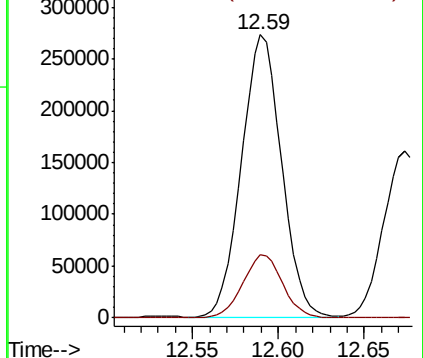
91 100

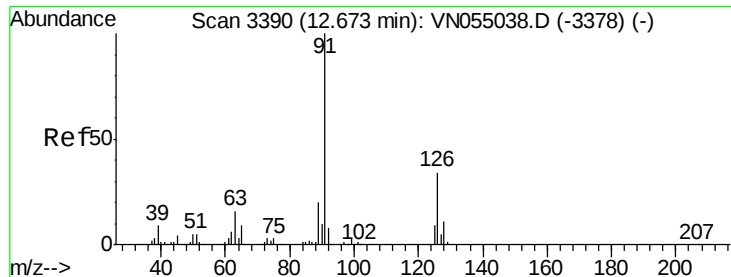
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

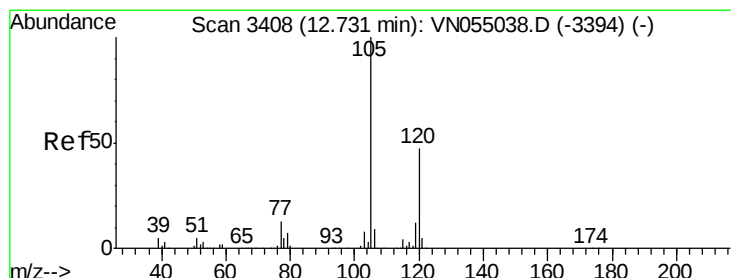
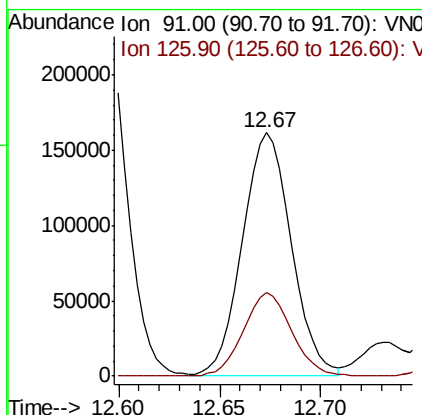
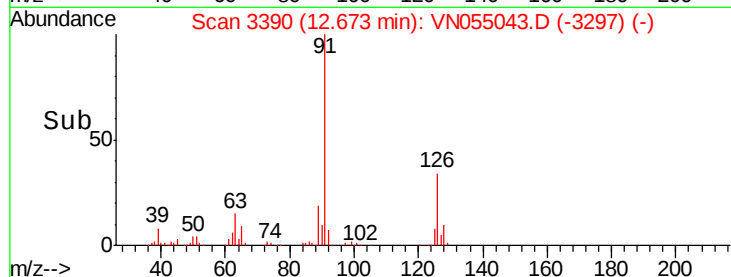
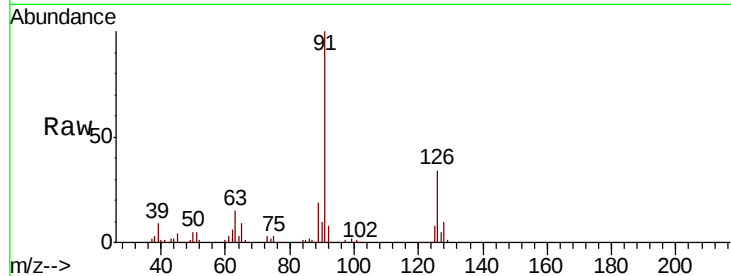




#79
 2-Chlorotoluene
 Concen: 19.371 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

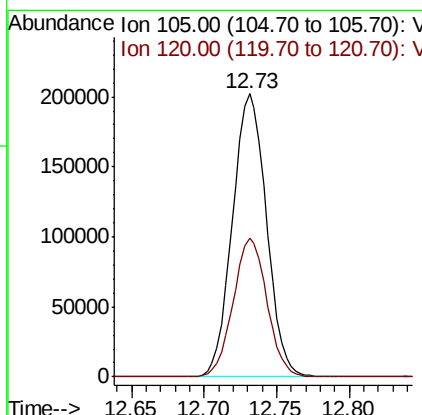
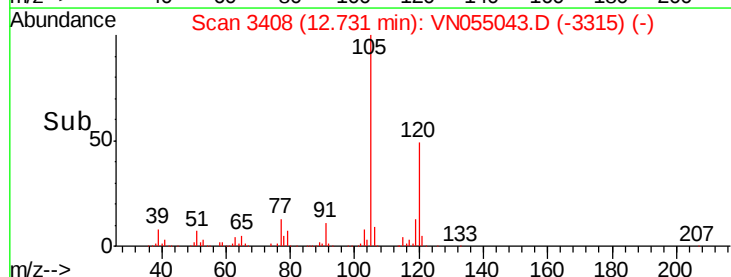
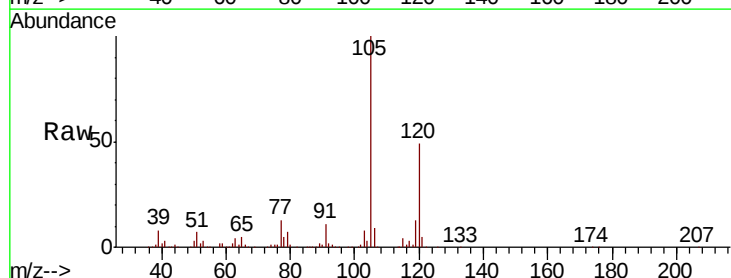
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

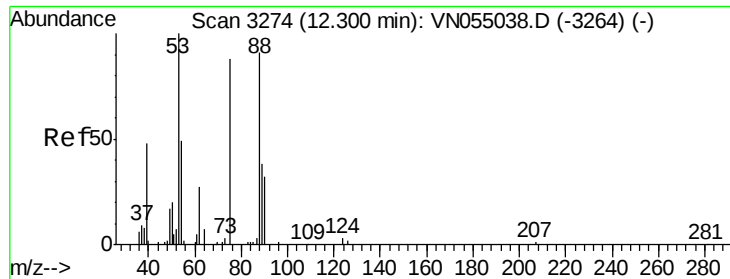
Tot Ion: 91 Resp: 272917
 Ion Ratio Lower Upper
 91 100
 126 34.2 17.1 51.2



#80
 1,3,5-Trimethylbenzene
 Concen: 19.435 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion: 105 Resp: 327902
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.687 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

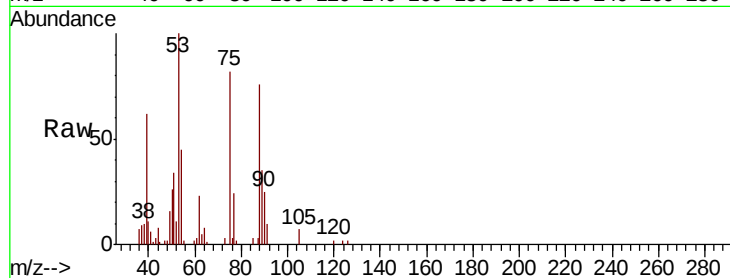
MSVOA_N

ClientSampleId :

VN0415MBS01

Tot Ion: 75 Resp: 21917

Ion	Ratio	Lower	Upper
75	100		
53	123.8	96.3	144.5
89	44.1	38.6	57.8

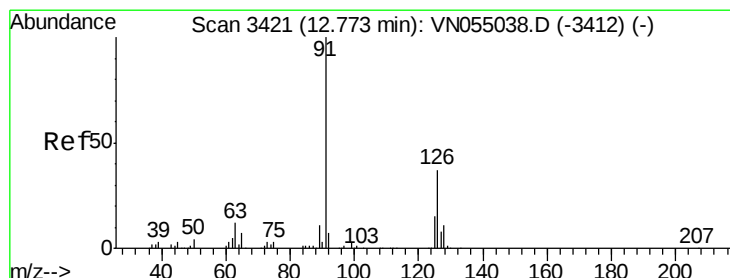
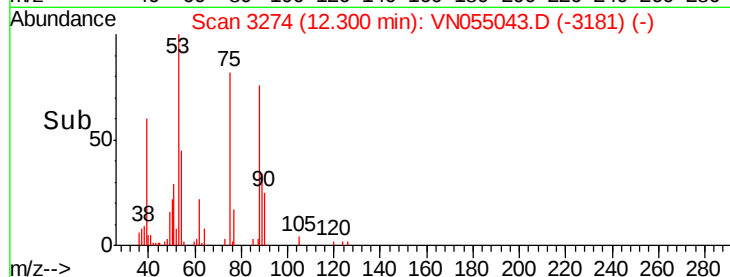
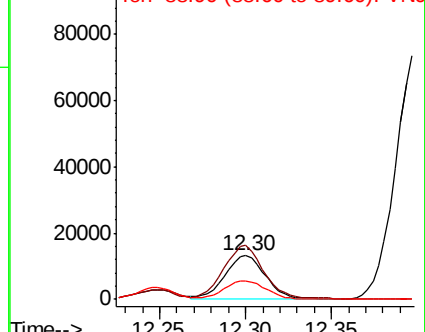


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.534 ug/l

RT: 12.77 min Scan# 3421

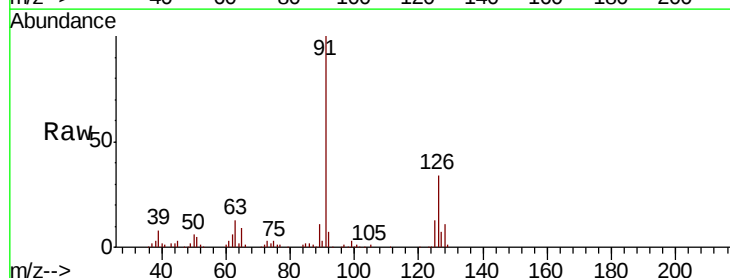
Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Tgt Ion: 91 Resp: 256769

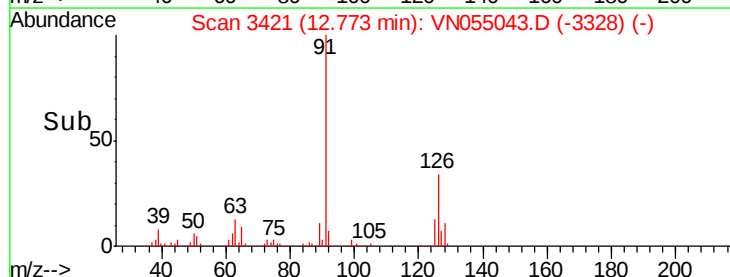
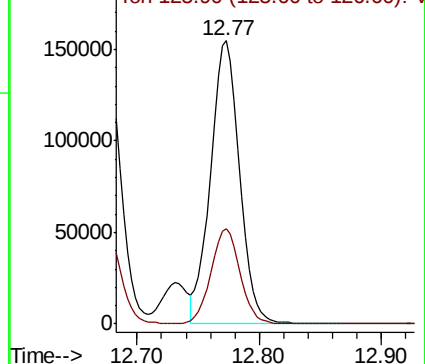
Ion	Ratio	Lower	Upper
91	100		
126	33.9	16.4	49.2

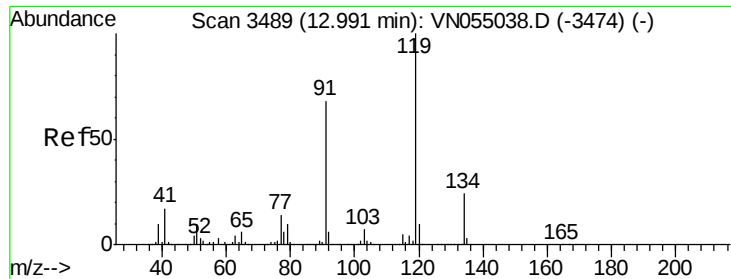


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

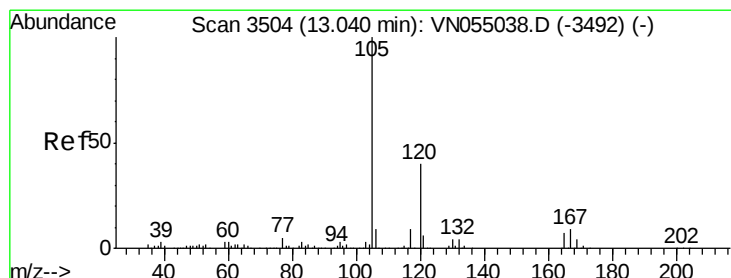
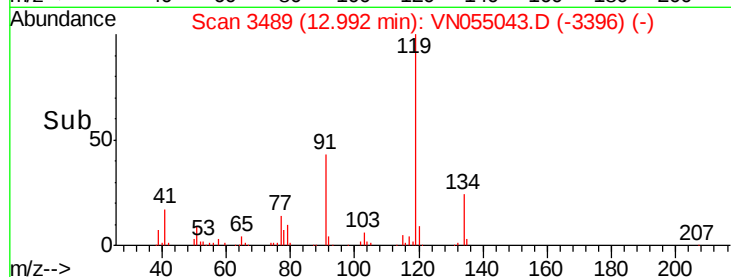
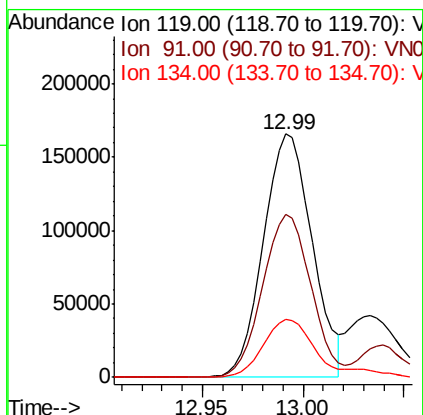
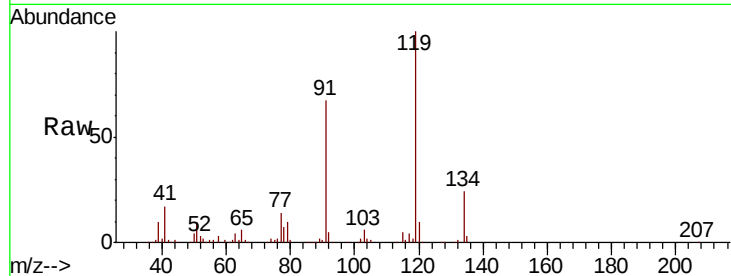




#83
 tert-Butylbenzene
 Concen: 19.595 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

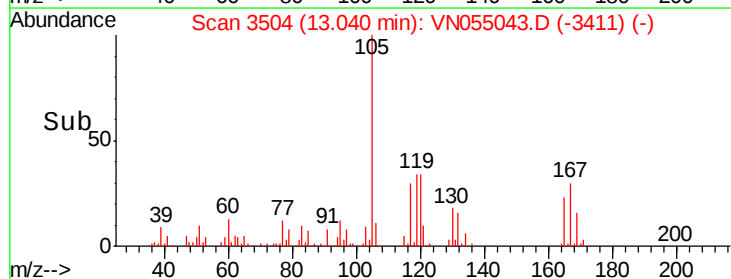
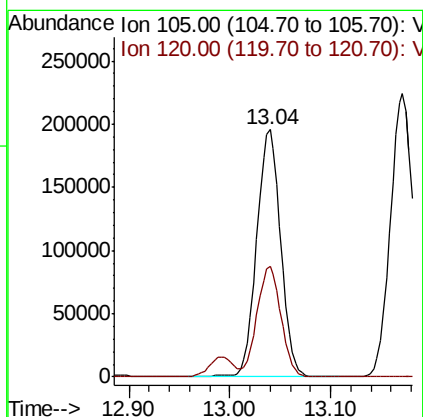
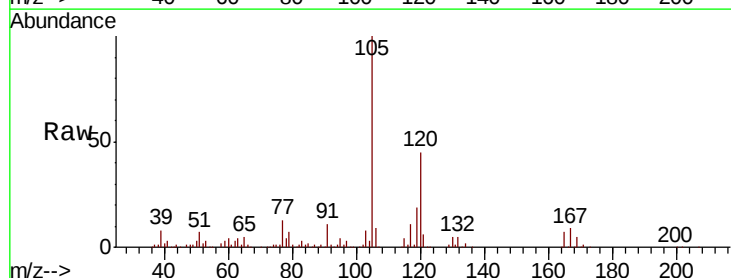
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

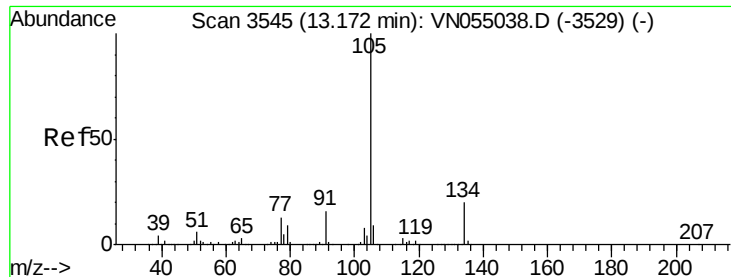
Tot Ion:119 Resp: 279192
 Ion Ratio Lower Upper
 119 100
 91 66.4 33.3 99.8
 134 26.6 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 20.080 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion:105 Resp: 321062
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.4 67.3





#85

sec-Butylbenzene

Concen: 19.880 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

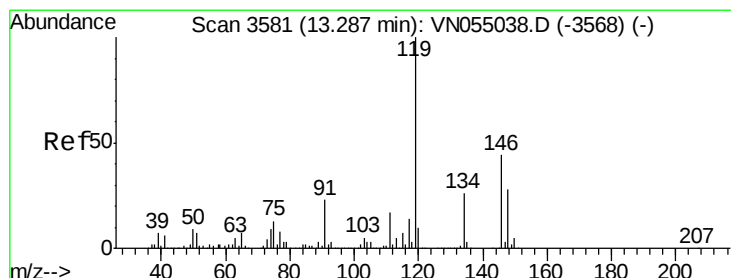
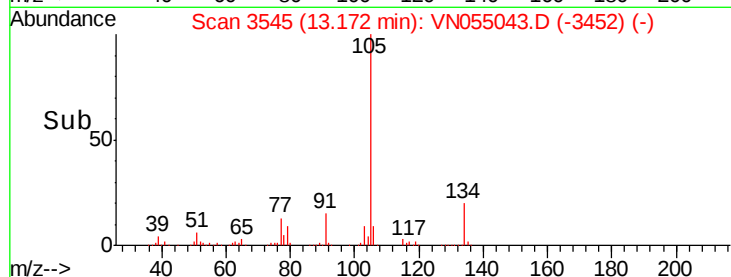
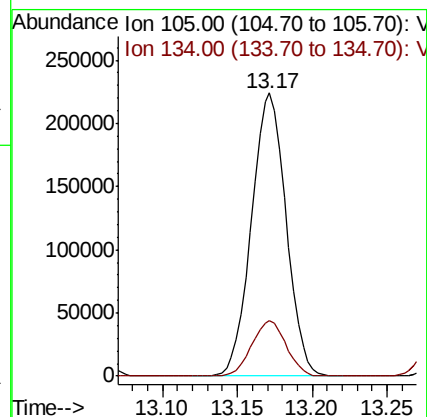
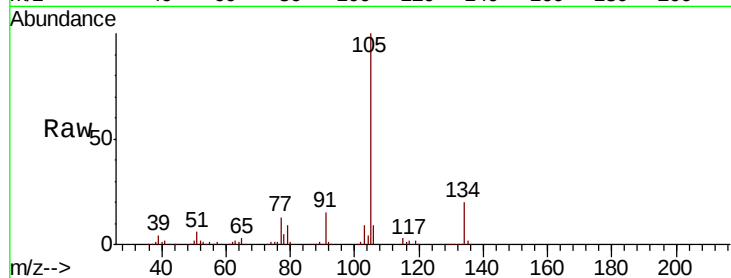
VN0415MBS01

Tot Ion:105 Resp: 360940

Ion Ratio Lower Upper

105 100

134 19.4 9.8 29.3



#86

p-Isopropyltoluene

Concen: 19.794 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

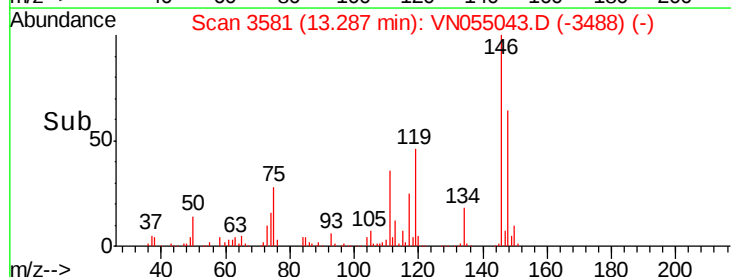
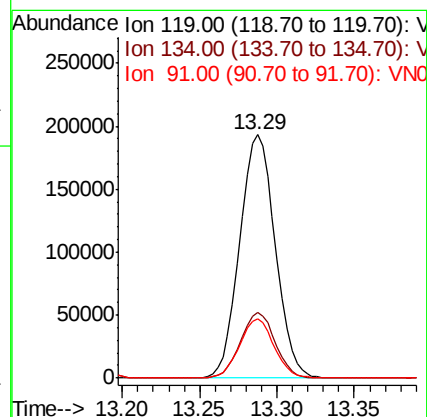
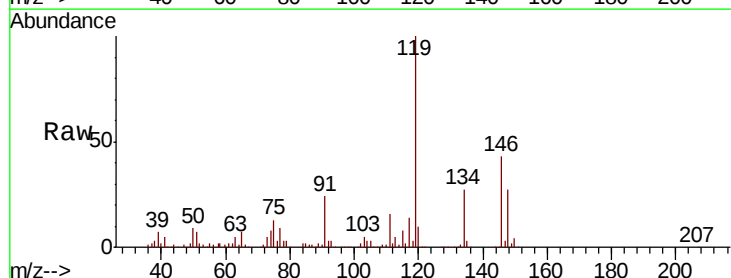
Tgt Ion:119 Resp: 308322

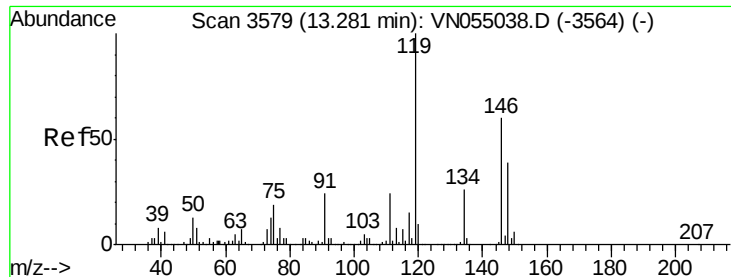
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 23.9 11.7 35.1

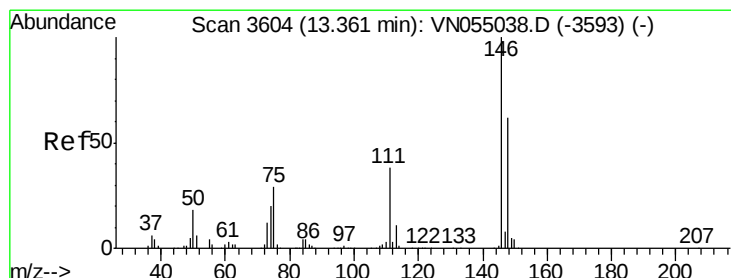
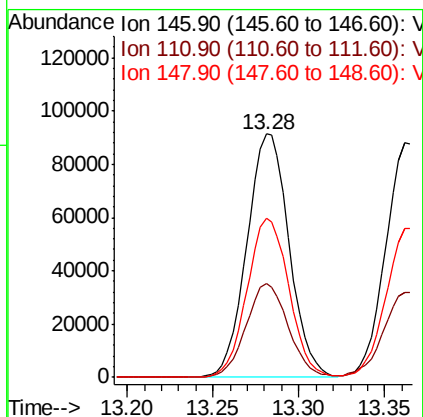
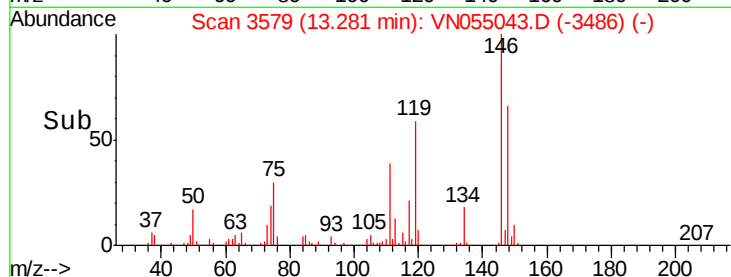
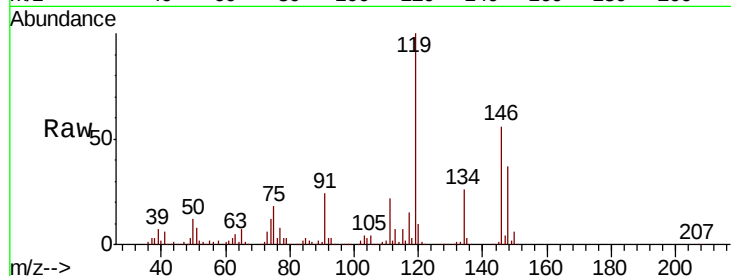




#87
 1,3-Dichlorobenzene
 Concen: 19.581 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

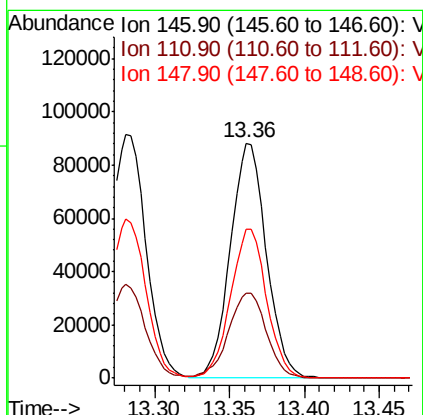
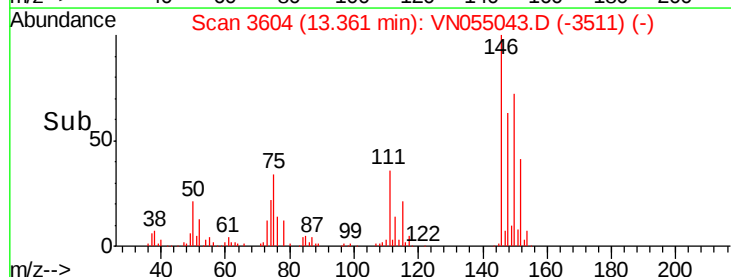
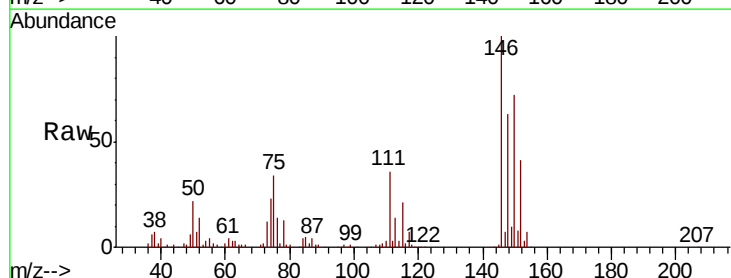
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

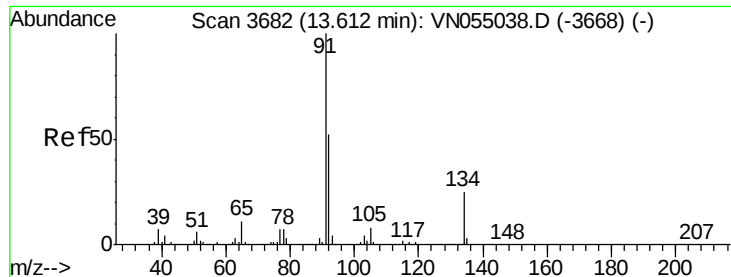
Tot Ion:146 Resp: 155122
 Ion Ratio Lower Upper
 146 100
 111 38.5 19.5 58.5
 148 65.0 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 19.584 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion:146 Resp: 147952
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.8 56.4
 148 63.5 32.4 97.2





#89

n-Butylbenzene

Concen: 20.024 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBS01

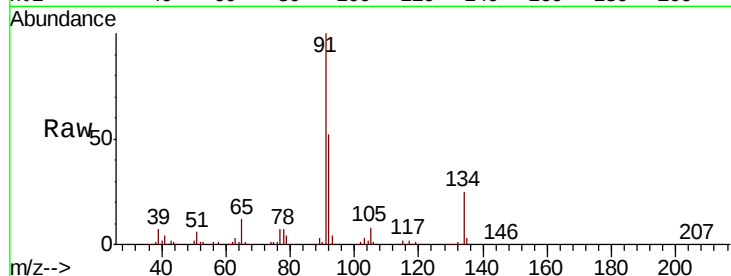
Tot Ion: 91 Resp: 231538

Ion Ratio Lower Upper

91 100

92 51.6 25.9 77.7

134 24.9 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VN055038.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055038.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055038.D (-3668) (-)

13.61

150000

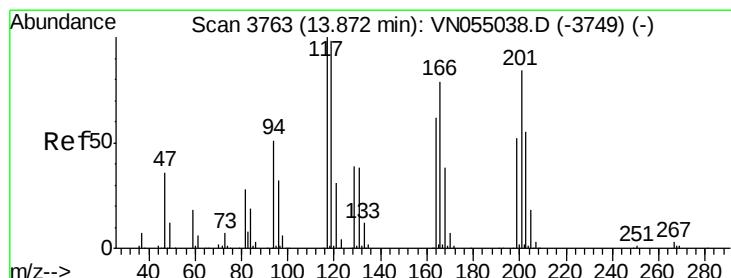
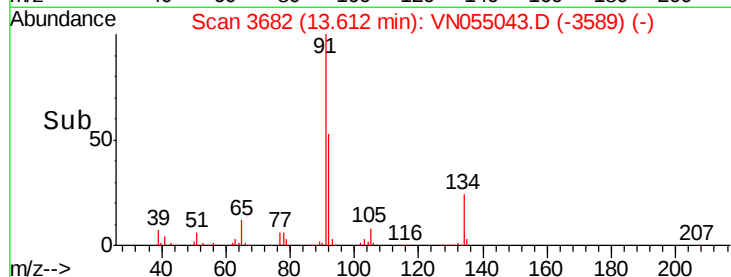
100000

50000

0

13.55 13.60 13.65

Time-->



#90

Hexachloroethane

Concen: 18.521 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN055043.D

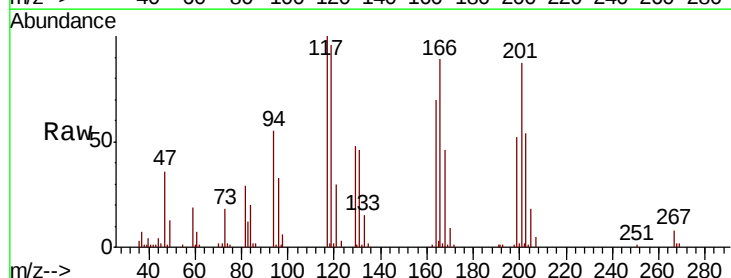
Acq: 15 Apr 2019 14:39

Tgt Ion: 117 Resp: 46940

Ion Ratio Lower Upper

117 100

201 87.1 43.4 130.2



Abundance Ion 116.80 (116.50 to 117.50): VN055038.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055038.D (-3749) (-)

13.88

30000

25000

20000

15000

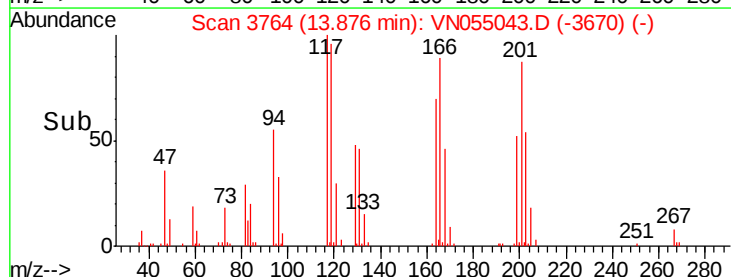
10000

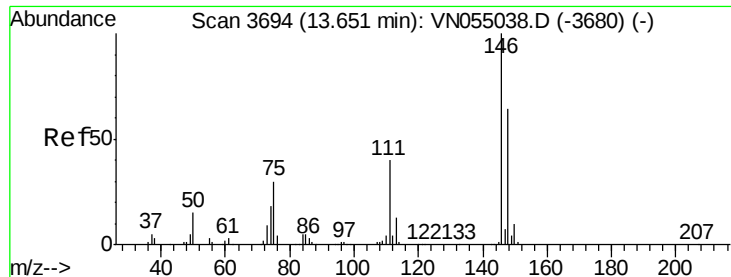
5000

0

13.80 13.85 13.90

Time-->

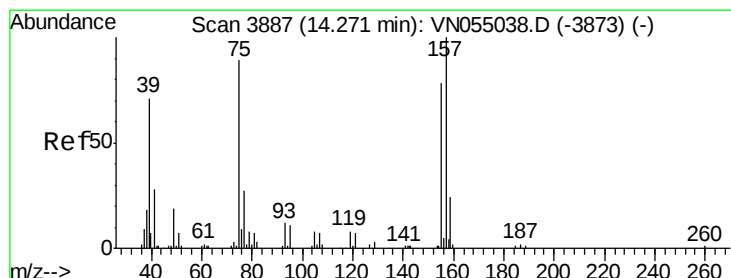
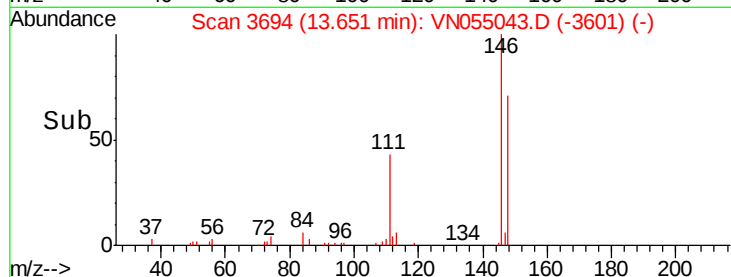
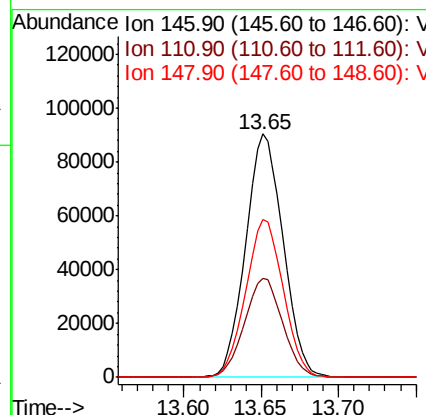
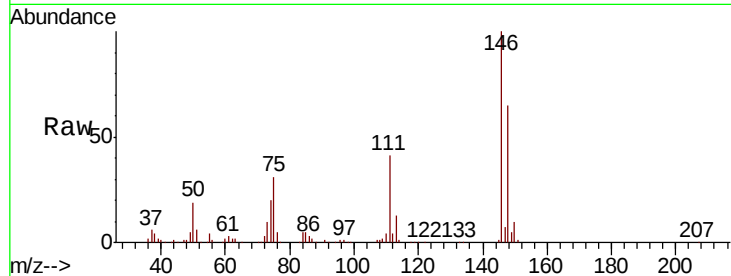




#91
 1,2-Dichlorobenzene
 Concen: 19.163 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

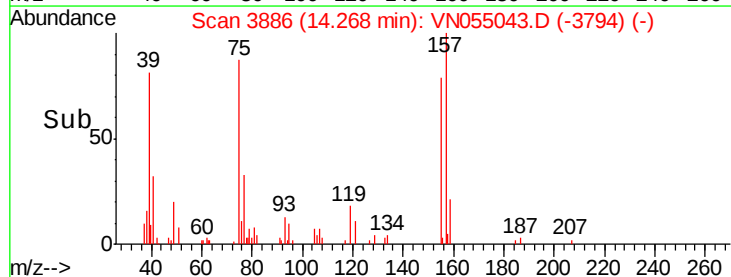
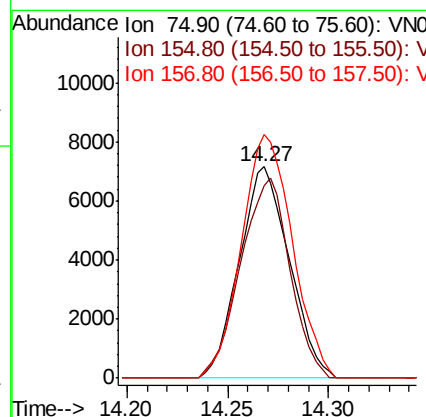
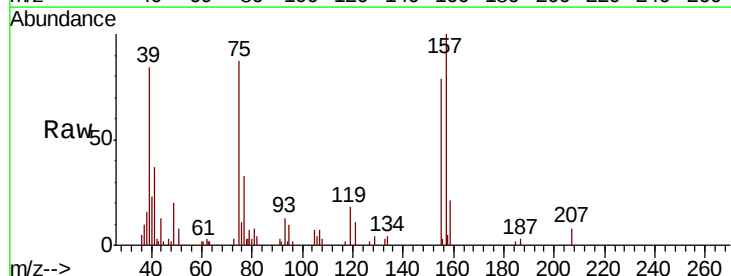
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

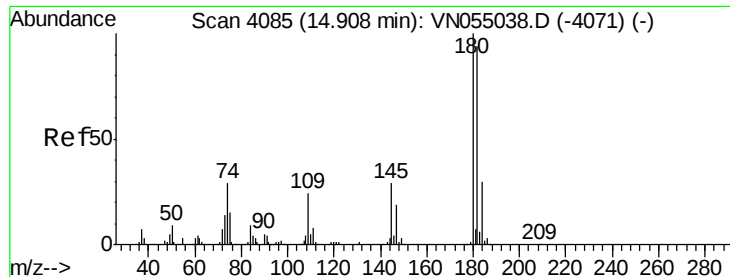
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.9
148	64.8	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.027 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.1	42.0	126.0
157	117.4	52.1	156.4

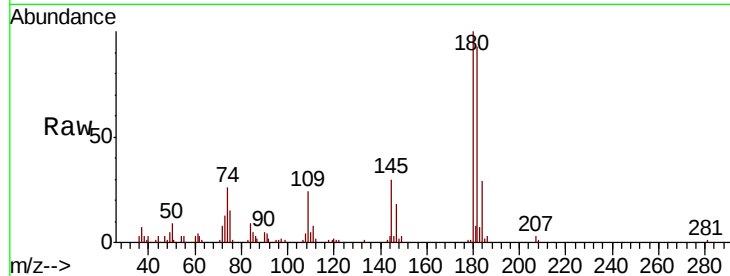




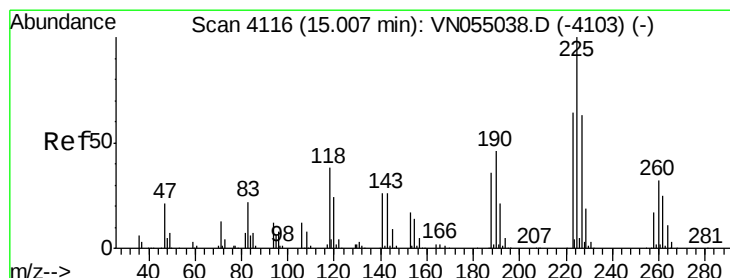
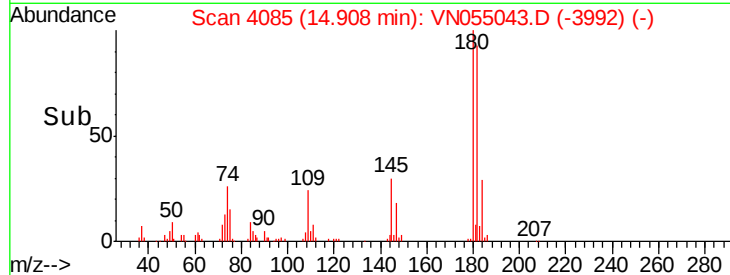
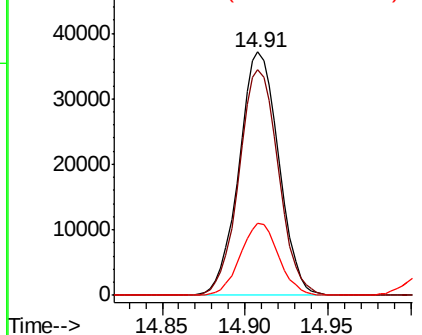
#93
 1,2,4-Trichlorobenzene
 Concen: 18.864 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0415MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.5	142.6
145	28.5	14.2	42.8

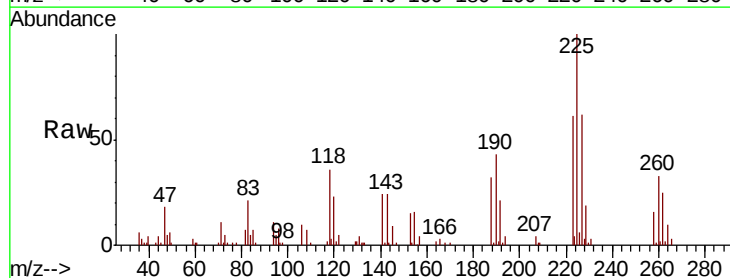


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

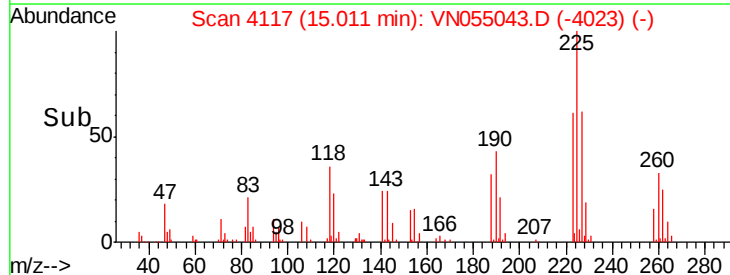
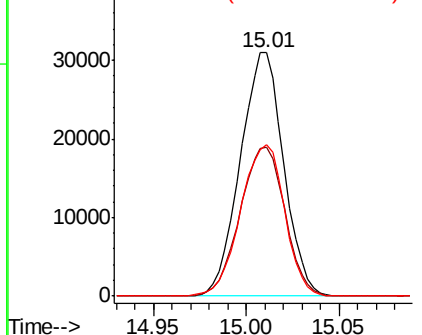


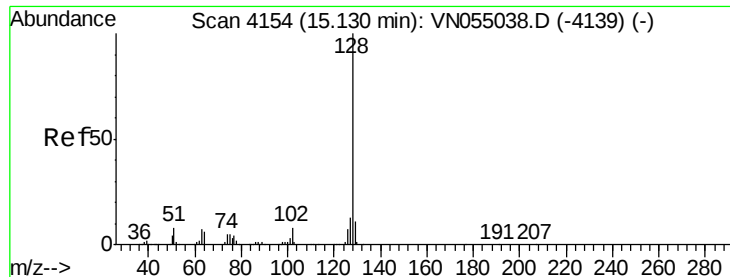
#94
 Hexachlorobutadiene
 Concen: 20.479 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055043.D
 Acq: 15 Apr 2019 14:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.4	94.0
227	63.3	32.6	97.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 17.722 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

Instrument :

MSVOA_N

ClientSampleId :

VN0415MBS01

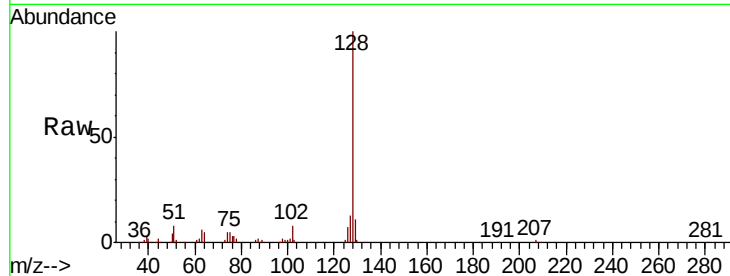
Tot Ion:128 Resp: 131888

Ion Ratio Lower Upper

128 100

127 13.3 10.1 15.1

129 11.1 8.8 13.2

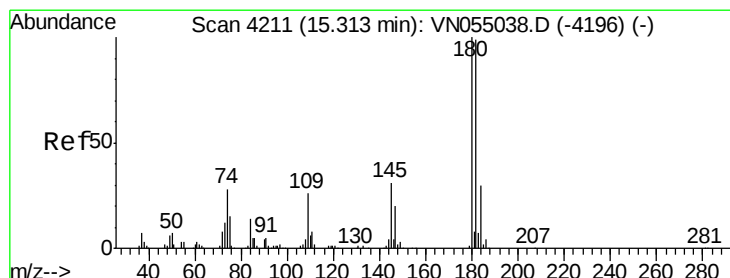
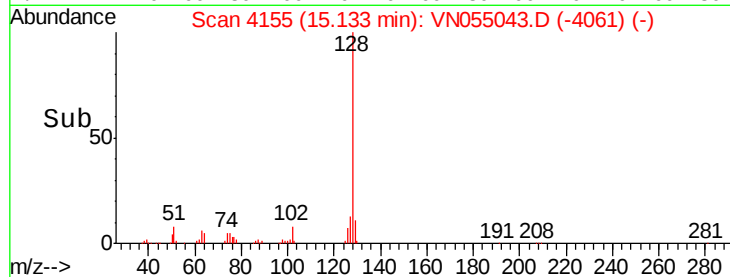
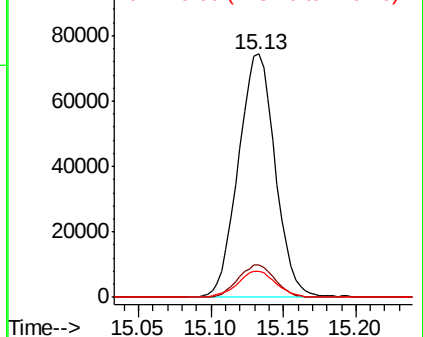


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.621 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055043.D

Acq: 15 Apr 2019 14:39

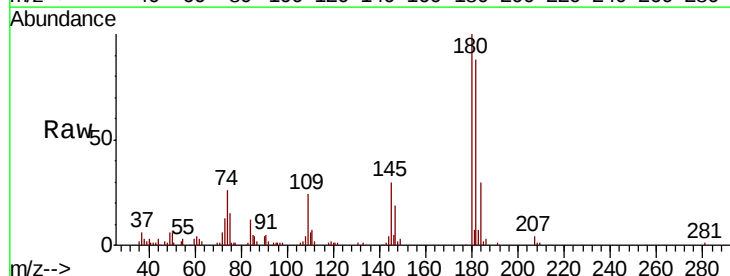
Tgt Ion:180 Resp: 63409

Ion Ratio Lower Upper

180 100

182 92.7 48.0 144.0

145 30.6 15.3 45.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

